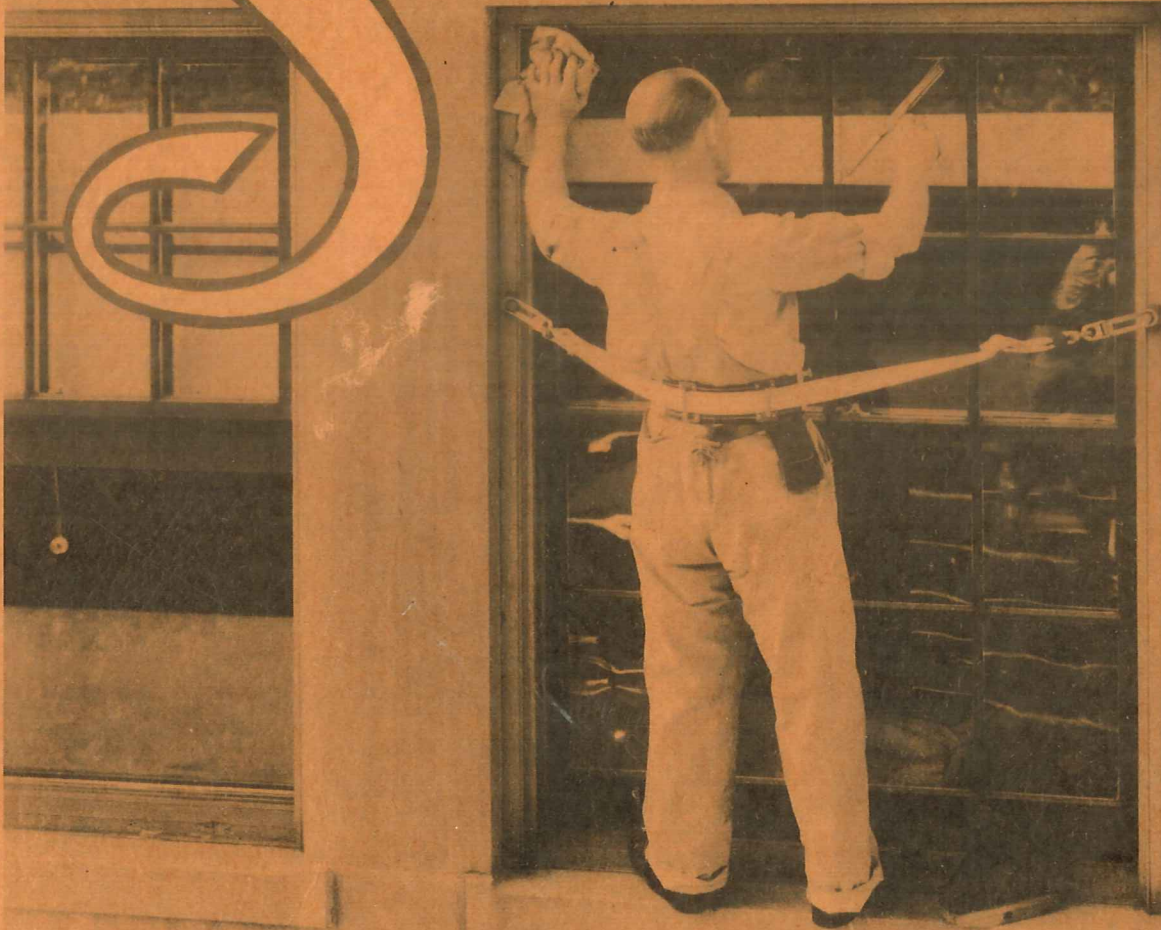


*safety
pecial
safety*

ANCHORS SNAP-HOOKS BELTS

STANDARD
APPROVED
TYPES



WINDOW CLEANERS SUPPLIES

ACKER & MAN, Inc.

14-16 WEST 17th ST.

NEW YORK, N.Y.

Factory, Union City, N. J.

MOVED TO 120 W. 18th ST.

ACKER & MAN · WINDOW · CLEANERS · SAFETY · EQUIPMENT
BEING TESTED BY ONE OF OUR MECHANICS

We Manufacture the Material and do the Installation



HAVE YOUR INSTALLATION DONE BY MEN WHO KNOW HOW

A FEW REPORTS FROM THE PRESS

ACKER & MAN SAFETY EQUIPMENT PREVENTS THIS

WINDOW CLEANER FALLS OFF LEDGE ON 2 PASSERS-BY

All Three Injured, One a Woman, in Chambers Street Accident

Charles Willard, a window cleaner, of No. 608 Eighth Avenue, fell from a ledge of the second story of the Martin B. Brown Printing Company's factory at No. 37 Chambers Street at 9:30 o'clock to-day to the sidewalk.

Willard, who is employed by the A to Z Window Cleaning Company struck Duncan Fraser, sixty-six, of No. 407 Etna Street, Brooklyn, and Mildred Waldman, twenty-five, of No. 555 Timpson Place, Bronx, before he reached the sidewalk.

Both were knocked sprawling. The three were picked up by Policeman Cummings of the Oak Street Station

FEB. 14 - 1930

Window Cleaner Dies In 12-Story Plunge

M. Podweiski, of 716 Cauldwell ave., the Bronx, long unemployed until he found work a week ago as a window cleaner, was killed yesterday in a twelve-story fall at 75 Varick st.

JAN. 12-1932 - N.Y. AMERICAN

Money Gone, He Cleans Windows, Dies in Fall

Sam Neumann was a window cleaner. Made good money for nearly 25 years. But they never could get him to work on windows above the ground floor. Sam couldn't look down from the heights without getting dizzy.

Nevertheless, he prospered, and eventually had his own window cleaning company at 411 Broadway. He moved his family to a better home, on Bay Parkway, in the Bensonhurst section of Brooklyn.

Then came the stock market break and everybody seemed to be short of money. Business was bad with Sam.

FALLS 3 STORIES.

Today, for the first time in his life, he took a job of window cleaning above the ground floor. He was working on the windows of the Novelty Curtain Company, on the third floor at 391 Broadway.

Sam had no safety belt. Suddenly, he toppled from the ledge and hurtled to the pavement, narrowly missing several pedestrians who screamed in horror as his body cracked the side walk.

"Accidental death," the ambulance doctor said.

OCTOBER. 9 - 1930

Window Cleaner Killed by Fall at Incurables' Home

As a result of injuries received yesterday morning when he fell from a third floor window of the Beth Abraham Home, 612 Allerton Ave., where he was employed as a window cleaner, Redas Jose Perez, 28, died in Fordham Hospital late yesterday afternoon.

Perez, who lived at the home, was clearing the outside of a third floor window when he lost his balance and fell to the concrete pavement of the home's inner courtyard.

An attendant at the home heard the injured man's moans, and discovered him lying in the courtyard. Dr. Kapp, of Fordham Hospital, who was summoned, said Perez was suffering from fractures of the spine and pelvis, and a compound fracture of the right elbow. The doctor had Perez rushed to the hospital, where he died a few hours later.

JAN. 9, 1930 - N.Y. TIMES

SAVED IN 18TH FLOOR FALL

Cleaner Clings to 2-Foot Ledge, One Story Down, Until Rescued.

John Pellek, a window cleaner, tumbled today from the sill of an eighteenth-floor window at 265 W. 37th St.

He dropped one story, landed on a two-foot wide ledge and severely shaken, his ankle fractured, clung there until rescued.

Pellek, who lives at 80 E. Third St., was taken to New York Hospital.

FEBRUARY - 1932
EVENING TELEGRAM

BROADWAY CROWD SEES WORKMAN PLUNGE TEN STORIES TO HIS DEATH

Hundreds of pedestrians gazed in horror yesterday as a window cleaner lost his footing on the tenth floor of the Alameda Apartments, 84th St. and Broadway.

He grabbed frantically at an

awning on the ninth floor, hung on for a moment and then crashed to death on the sidewalk.

The dead man was Hugh McElhern, 38, of 139 Newell St., Brooklyn.

SATURDAY, JULY 16 1932 - DAILY NEWS

Injuries to Window Cleaners

Decision Holds Owner Liable for Fall When Safety Device Was Not Provided.

By ALBERT W. FRIBOURG.

An owner who fails to provide approved safety devices on the windows of his buildings for the protection of window cleaners is liable for any injuries sustained by a cleaner as a result of a fall, according to a decision handed down this week by Justice Nova of the Supreme Court, Brooklyn.

None of the defenses which may usually be pleaded in an ordinary negligence action may be used to avoid a judgment for damages against the landlord.

Thus, the landlord cannot say that the fall was the result not only of the failure to provide the safety device, but was also due to the negligence of the window cleaner. In technical language, the defense of contributory negligence is not available.

Neither may the owner of the property say that the cleaner assumed the risk involved, nor that he was employed by an independent contractor. All of these defenses are, under the decision, considered no excuse, for the labor law makes it obligatory for the owner of all commercial buildings more than one story high, and all dwellings more than two stories high occupied by more than two families, to provide the approved safety devices.

At the time of the adoption of this amendment to the labor law last year, the entire subject was discussed in an article on the real estate page of The New York Sun. The article indicated the effect of the law in making owners, agents, and superintendents guilty of a crime if windows, not equipped with safety devices, were cleaned from the outside.

A Criminal Law.

The labor law, however, is essentially a criminal law. A violation of its provisions constitutes a crime punishable by fine or imprisonment, or both. The importance of Justice Nova's decision is that it extends this criminal provision to civil suits for damages. A violation of the statute which results in an accident makes the owner of the property liable for damages.

The great difficulty with the provision of the labor law is that it fails to define what it means by cleaning a window from the outside. Its draftsman was probably thinking of windows that were washed by a man standing on the sill. But whether the law applies when a window is cleaned by a person who sits on the sill, with his feet inside the room, but the rest of his body outside, is not certain. If the law is

interpreted to include this type of window cleaning, it means in effect that almost every building must be equipped with the approved device.

Justice Nova states in his opinion:

"This action is one to recover for personal injuries sustained by plaintiff, a window cleaner, as a result of the defendant failing to provide safety devices required by section 202, as amended, of the labor law, and specified by the rules of the Industrial Board pursuant to such statute.

Section 202 as Amended.

"Section 202, as amended, reads as follows: Protection of persons engaged at window cleaning. On every public building where the windows are cleaned from the outside, the owner, lessee, agent, manager or superintendent in charge of such building shall provide, equip and maintain approved safety devices on all windows of such building. The owner, lessee, agent, manager or superintendent in charge of any such public building shall not require, permit, suffer or allow any window in such building to be cleaned from the outside unless means are provided to enable such work to be done in a safe manner in conformity with the requirements of this chapter and the rules of the industrial board.

"The action is based solely on the violation of the statute and substantially the defense numbered 'second' consists of an allegation to the effect that plaintiff assumed the risks of his employment and defense numbered 'third' that plaintiff was the employee of an independent contractor and therefore not under the direction, jurisdiction and control of the defendant herein.

"These defenses, in my opinion, should be stricken out. The defenses of assumption of risk, contributory negligence and that the defendant was an employee of an independent contractor and hence not under the direction, jurisdiction and control of the defendant are not available to the defendant inasmuch as for success in the form of action herein all that need appear is the existence of the statute, violation of the statute, and injury in the course of employment to one for whose benefit and protection the statute was enacted." (Teller v. Prospect Heights Hospital, N. Y. Law Journal, July 7, 1938.)

LANDLORDS and WINDOW CLEANERS

THE Insurance Advocate of January 8th, 1938, presented a very interesting exchange of correspondence between S. Nicol Schwartz, Vice-President of the General Brokers' Association and Elmer F. Andrews, State Industrial Commissioner, which we consider worthy of our readers attention.

The subject relates to the responsibility of landlords under Section 202 of the Labor Law, which became effective July 1, 1937, and by the terms of which landlords are required to install safety devices on the outside of all windows of tenant and apartment buildings for the protection of window cleaners.

While landlords of the average type multiple dwelling do not ordinarily employ professional window cleaners to clean the tenants' windows, either from the outside or the inside, such work being customarily done by the tenant or by someone whom the tenant employs—nevertheless Section 202 of the Labor Law is so worded as to place responsibility upon the landlord where he "permits", "suffers", "or allows" any window to be cleaned from the outside unless such windows are equipped with approved safety devices.

Mr. Schwartz's letter seeks to clear up the prevailing misconception most owners have concerning the intent of the law and we are reprinting in full the correspondence between Mr. Schwartz and Commissioner Andrews for the enlightenment of our readers.

Hon. Elmer F. Andrews
Industrial Commissioner,
State of New York,
80 Centre Street,
New York City.

Dear Sir:

Numerous inquiries have been received by this Association from insurance brokers seeking clarification of Section 202 of the Labor Law.

A careful reading of that section, as well as of the Opinion rendered to you by the Attorney General under date of September 8th, 1937, still leaves a doubt in the writer's mind as to the following two questions:

(1) Is the landlord (owner or general lessee) of an apartment building more than three stories in height, required to equip all windows with safety devices where the cleaning is done from the outside by the tenants themselves, or by their employees, where the landlord has no obligation to do this work?

(2) Could a landlord be held liable for the in-

jury or death of an employee engaged in window cleaning where no safety devices have been provided and where such person was employed by the tenant?

Your answers to these questions are of vital interest to insurance brokers and will be greatly appreciated.

Yours very truly,
S. NICOLL SCHWARTZ,
First Vice-President.

Mr. S. Nicoll Schwartz,
General Brokers' Association,
60 John Street,
New York City.

Dear Sir:

Replying to your communication of December 29th, 1937 this is to advise that the owner, lessee, agent, manager or superintendent in charge of the building is responsible for providing the safety equipment. The violation runs to the cleaning of windows from the outside. If the owner of the building chooses that windows shall not be cleaned from the outside, he may so direct, but in doing so he does not relieve himself from the responsibility provided in the Law as follows:

On every public building where the windows are cleaned from the outside, the owner, lessee, agent or manager or superintendent in charge of such building shall not require, permit, suffer or allow any window in such building to be cleaned from the outside and if the windows are cleaned from the outside without the equipment we can prosecute the owner, lessee, agent, manager or superintendent in charge of such building.

The Attorney General has ruled that if a tenant hired someone to clean the windows, he is then an employer and the tenant can be held as the employer of a window cleaner.

In answer to inquiry No. 2, the landlord cannot escape his liability. If there is a violation, he is guilty of violating the Labor Law. It is impossible for me to say whether he would be held liable for death of an employee but he would be liable for compensation and he might be guilty of criminal negligence in connection with the death, but we are not enforcing the possibilities of what might happen after the death of an employee. We do prosecute for violations of this section in our effort to prevent deaths, so if the owner does not choose to provide the proper equipment, he would be complying if the windows are not cleaned from the outside. He cannot escape his responsibility in the event that they are cleaned from the outside.

Trusting I have given you the information you desire, I am

Very truly yours,
(Signed) ELMER F. ANDREWS
Industrial Commissioner.

GENERAL INFORMATION

1. The use of Brass screws or Bolts for attaching Window Cleaner's Safety Anchors to Metal Frames have caused many accidents and should not be used. Use Silicon Bronze (similar to Everdur) Stainless Steel, or Monel metal.
2. All windows should be equipped, the sills of which are over six (6) feet above grade, flat roof, balconies or fire escapes.
3. The law of the State of New York requires that each double-hung window have two (2) anchors; this includes two (2) to each mullion. Windows, the sash of which are less than eighteen (18) inches wide, irrespective of height, and those less than forty-six (46) inches high, irrespective of width, can be omitted.
4. Factory-sash type windows should have an anchor on each mullion and jamb, as, when the distance between anchors is over six (6) feet, safety and efficiency in cleaning is greatly reduced; this type of window, as at present designed, is the most difficult and dangerous to clean.
5. A combination Canvas and Leather or all Canvas Belt is safer than the all Leather Belt.
6. Cast metal anchors have caused many accidents and should not be used. Forgings are much superior.
7. Anchors should not be installed in masonry with expansion shields. On buildings, already constructed, it is best to install them on the frames.
8. Cast Metal Anchors are prohibited in the States of New York, Ohio, Pennsylvania and Wisconsin; forgings or anchors machined from solid bar must be used and only double-head types are approved in the States of Pennsylvania, Wisconsin and Illinois.
9. Safety anchors should not be made of any of the so-called copperbase alloys known as silicon bronze, aluminum bronze, or similar, as these alloys have proven entirely unsatisfactory and have been the cause of many accidents.
Naval bronze, forged steel galvanized, stainless steel, or monel metal are the best alloys we know of and they have a good record of performance. Forged steel (except stainless) is not approved for some states and municipalities where there are regulations on account of it being corrosive or subject to rust. While naval bronze is good for anchors, it is not good for screws or bolts used to fasten the anchors to metal frames on account of de-zincification which has, in the past, caused some failures.

A PARTIAL LIST OF PROMINENT BUILDINGS WHERE ACKER & MAN'S
WINDOW CLEANING SAFETY ANCHORS ARE INSTALLED
AND SAFETY EQUIPMENT USED

Radio City Buildings	New York City
Empire State Building	New York City
R. H. Macy & Co. Inc., Dept. Store Building	New York City
Bloomingdales Department Store Building	New York City
MacFadden Publications, Inc., Building	New York City
Vincent Astor Buildings	New York City
E. R. Squibb & Son, Buildings	Brooklyn, New York
Mergenthaler Linotype Buildings	Brooklyn, New York
Maxwell House Products Company Buildings	Brooklyn, New York
Best Foods, Inc., Buildings	Bayonne, New Jersey
Johnson & Johnson Buildings	New Brunswick, New Jersey
Military Park Building	Newark, New Jersey
Presbyterian Hospital	Newark, New Jersey
Paterson General Hospital	Paterson, New Jersey
St. Elizabeth's Hospital	Elizabeth, New Jersey
Aetna Life Insurance Building	Hartford, Connecticut
Warwick Hotel	Philadelphia, Pennsylvania
Lauer-Magee Hospital	Pittsburgh, Pennsylvania
Rhodes Haverty Building	Atlanta, Georgia
Agricultural Building	Washington, D. C.

Also many other buildings in all states and municipalities throughout the country
and Canada.

ACKER & MAN: N°2: FORGED: WINDOW: CLEANERS: SAFETY: ANCHOR:

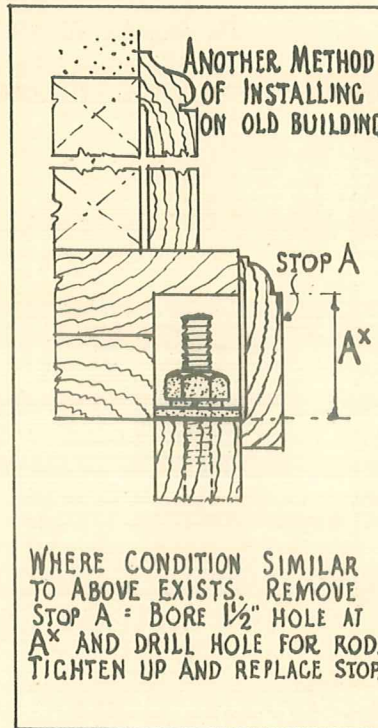
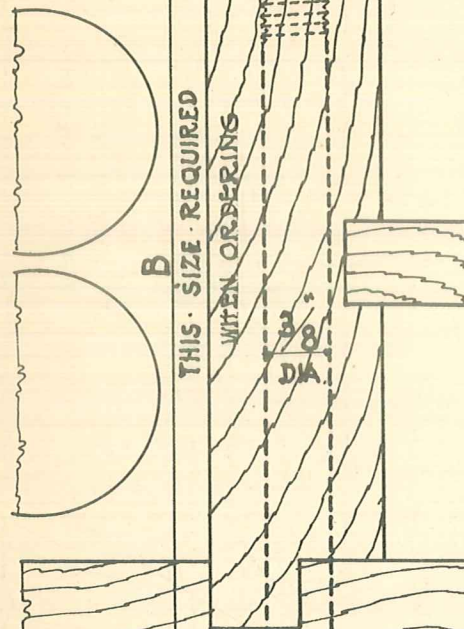
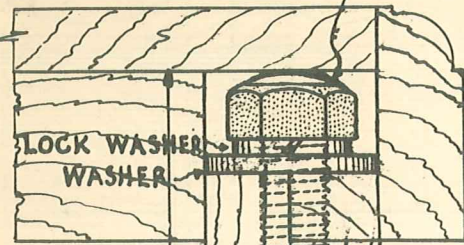
: Single head type for wood or Kalamein (frames) jambs and mullions

MADE IN BRONZE
AND OTHER APPROVED ALLOYS.

END OF BOLT CUT OFF
AND PEENED OVER NUT

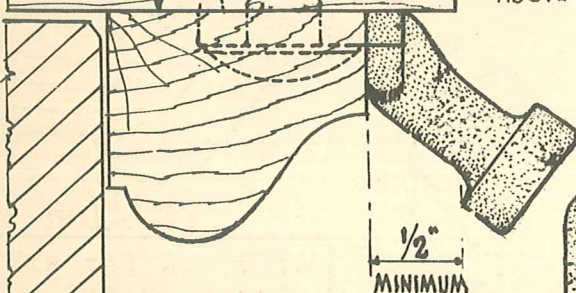
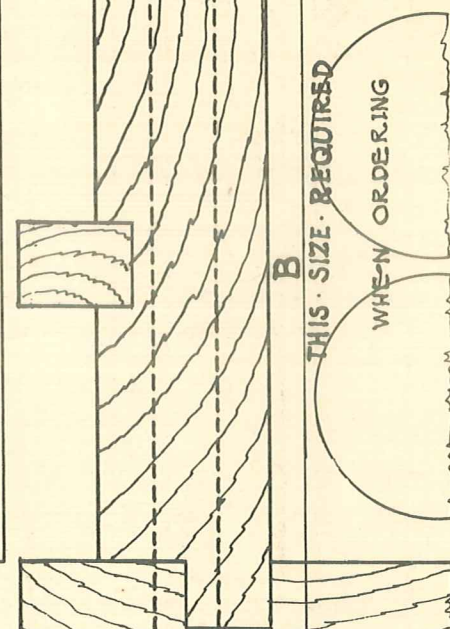
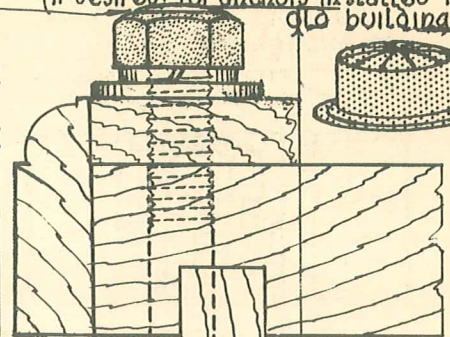
THIS TYPE OF ANCHOR HAS
THE ADVANTAGE THAT STAFF
BEADS CAN BE REMOVED FOR
RE-CAULKING OF JOINTS
WITHOUT HAVING TO REMOVE
ANCHORS.

Ornamental Nut covers are furnished
(if desired) for anchors installed in
old buildings



WHERE CONDITION SIMILAR
TO ABOVE EXISTS. REMOVE
STOP A = BORE 1/2" HOLE AT
A^x AND DRILL HOLE FOR ROD.
TIGHTEN UP AND REPLACE STOP.

BOLTS ARE FURNISHED IN
LENGTHS FROM 6" TO 8 1/2"
IN STEPS OF 1/4"
ABOVE 8 1/2" " " 1/2"

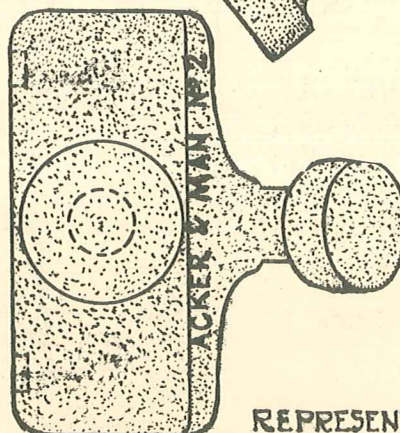


INSTALL AT A POINT 46"
TO 51" ABOVE TOP OF SILL.
FOR NEW CONSTRUCTION
IT IS BEST TO HAVE FRAME
BORED AND COUNTERBORED
AT MILL.

PRICES: \$ EACH.

NOTE

ARCHITECTS



REPRESENTED BY:

Approved for all
states except
Pennsylvania &
Wisconsin

For these use
double head type.

N.Y. State
Dept. of Labor
App. No. 2033

FOR THRU BOLT ANCHORS PULLEYSTILES SHOULD BE NOT LESS THAN 1 1/8" THICK

NEW NO. 28/8

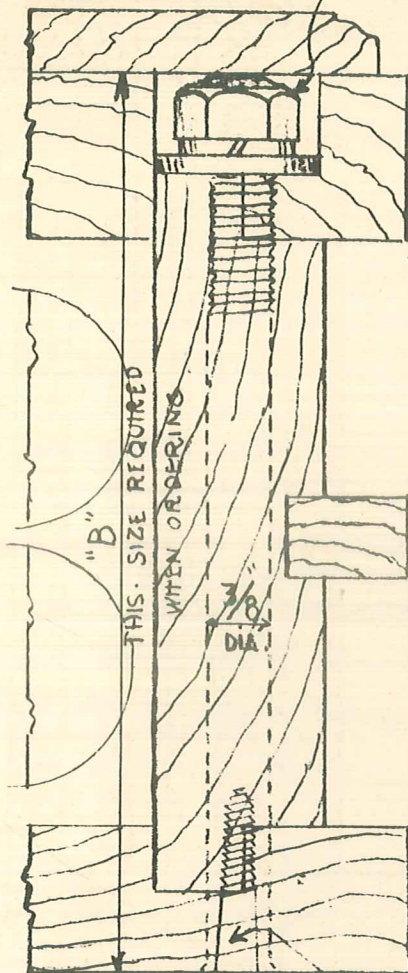
ACKERMAN No. 28 FORGED WINDOW CLEANERS SAFETY ANCHOR :

MADE IN BRONZE &
STAINLESS STEEL
AND OTHER APPROVED ALLOYS
END OF BOLT CUT OFF
AND RIVETTED OVER NUT

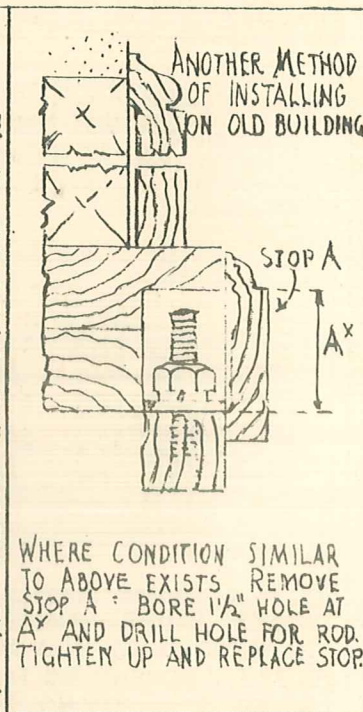
Single head type for wood or Kalamein frames

Ornamental Nut covers are furnished
(if desired) for anchors installed in
old buildings.

THIS TYPE OF ANCHOR HAS
THE ADVANTAGE THAT STAFF
BEADS CAN BE REMOVED FOR
RE-CAULKING OF JOINTS
WITHOUT HAVING TO REMOVE
ANCHORS.



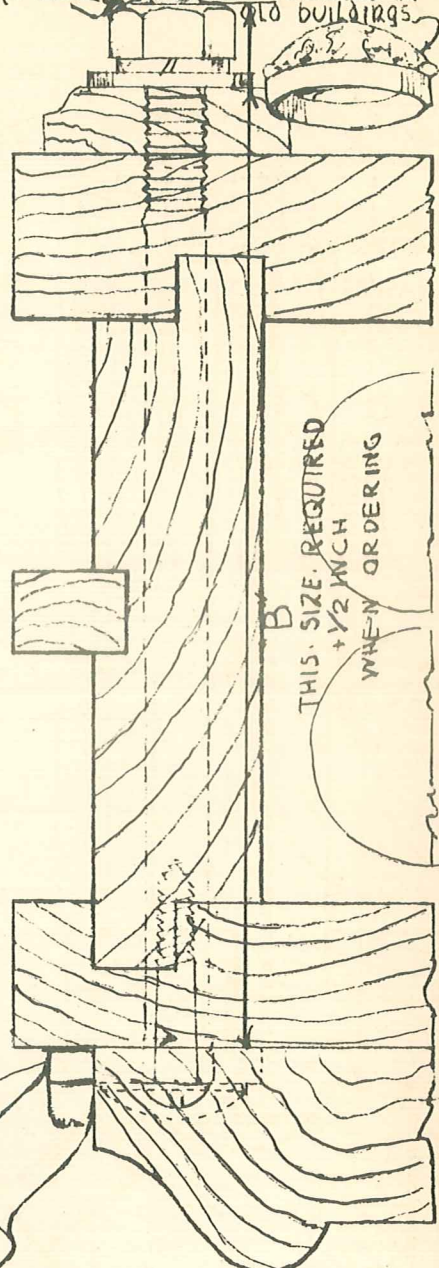
FURNISHED IN LENGTHS FROM 6" TO 8 1/2" IN STEPS OF 1/2"
OF 1/4" - 1/2" ABOVE 8 1/2" IN STEPS OF 1/2"



WHERE CONDITION SIMILAR
TO ABOVE EXISTS REMOVE
STOP A - BORE 1 1/2" HOLE AT
A x AND DRILL HOLE FOR ROD.
TIGHTEN UP AND REPLACE STOP.

N.Y. State
Dept. of Labor
App. No. 2033

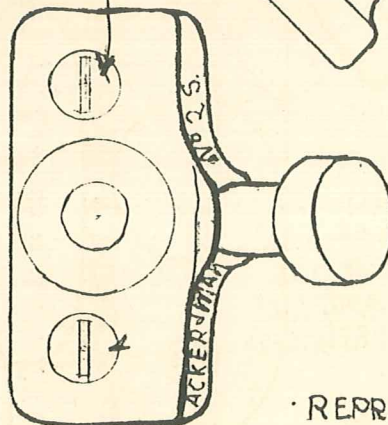
SCREWS ARE 1 1/2" #12
R.H.



THIS SIZE REQUIRED
+ 1/2" WICH
WHEN ORDERING

Jamb
INSTALL AT A POINT 46"
TO 51" ABOVE TOP OF SILL.
FOR NEW CONSTRUCTION
IT IS BEST TO HAVE FRAME
BORED AND COUNTERBORED
AT MILL.

PRICE: ¢ Each



Mallion

Approved for all
states except
Pennsylvania &
Wisconsin-

For the use
double head type

REPRESENTED BY:

NOTE
ARCHITECTS

FOR THRU BOLT TYPE ANCHORS PULLEY STILES SHOULD BE NOT LESS THAN 1 1/8 in. THICK

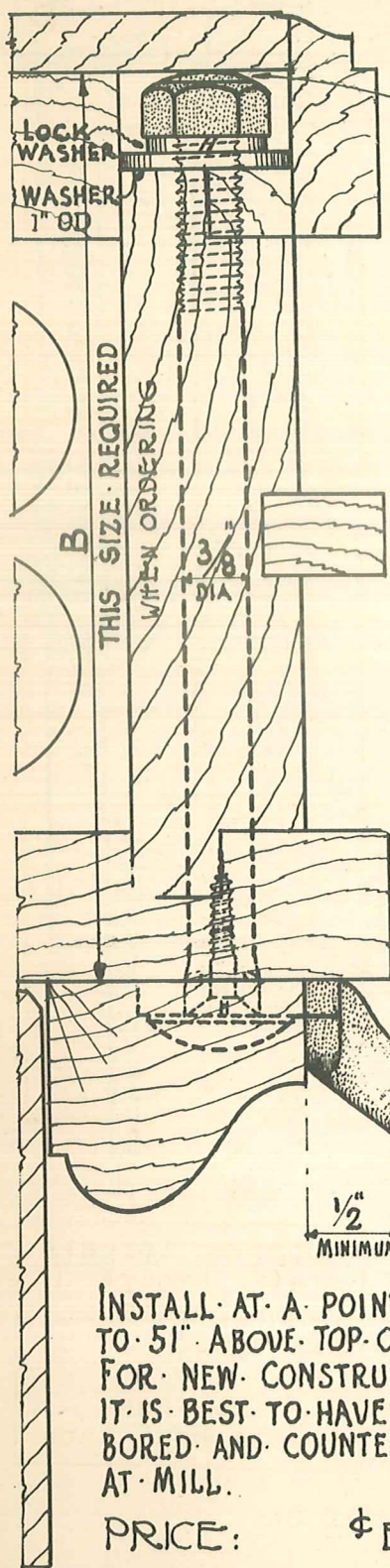
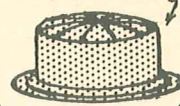
ACKER & MAN: N° 2B: FORGED: WINDOW: CLEANERS: SAFETY: ANCHOR:

Double head type for wood or Kalamein (frames) jambs and mullions

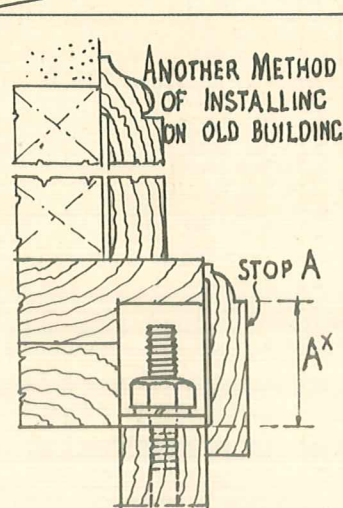
MADE IN BRONZE
AND OTHER APPROVED ALLOYS.

Ornamental Nut covers are furnished (if desired)
for anchors installed on old buildings.

THIS TYPE OF ANCHOR HAS
THE ADVANTAGE THAT STAFF
BEADS CAN BE REMOVED FOR
RE-CAULKING OF JOINTS
WITHOUT HAVING TO REMOVE
ANCHORS.



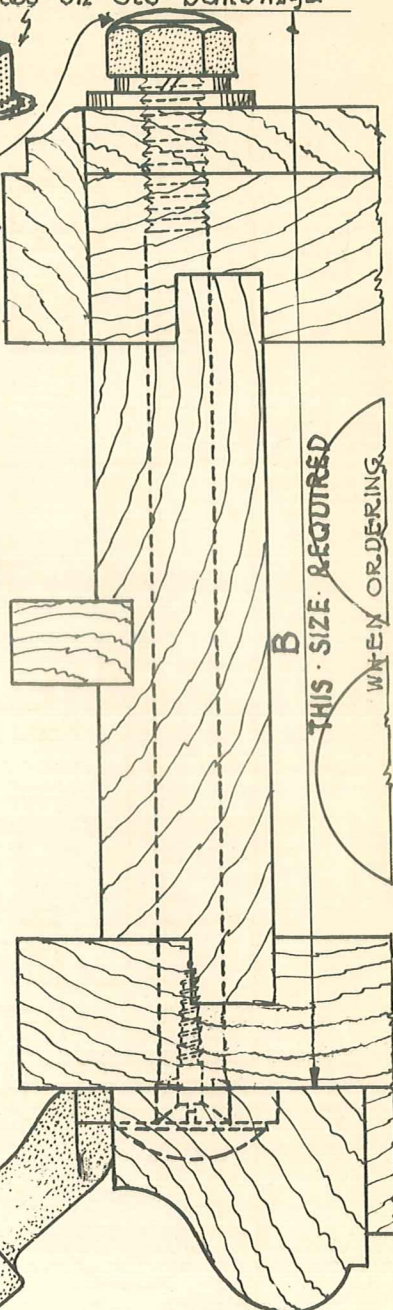
NEW CONSTRUCTIONS
END OF BOLT CUT OFF
AND PEENED OVER NUT



WHERE CONDITION SIMILAR
TO ABOVE EXISTS, REMOVE
STOP A. BORE 1/2" HOLE AT
A* AND DRILL HOLE FOR ROD.
TIGHTEN UP AND REPLACE STOP.

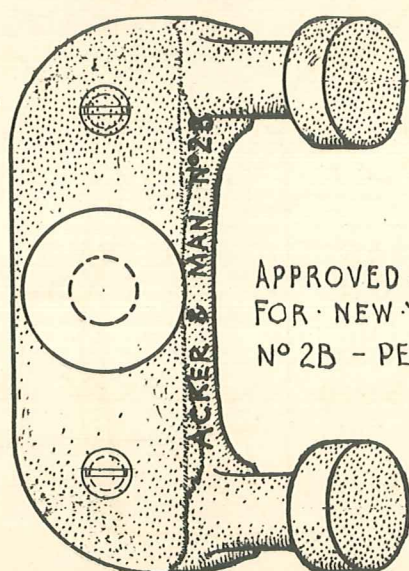
OLD BUILDINGS

BOLTS ARE FURNISHED IN LENGTHS
FROM 6" TO 8 1/2" IN STEPS OF 1/4"
ABOVE 8 1/2" " 1/2"



THIS SIZE REQUIRED
WHEN ORDERING

PENN. APP. No. 1289



INSTALL AT A POINT 46"
TO 51" ABOVE TOP OF SILL.
FOR NEW CONSTRUCTION
IT IS BEST TO HAVE FRAME
BORED AND COUNTERBORED
AT MILL.

PRICE: \$ EACH

APPROVED IN ALL STATES EXCEPT NEW YORK
FOR NEW YORK USE N° 16 WITH PLATES
N° 2B - PENN. APPROVAL N° 1289

REPRESENTED BY:

NOTE
~ ARCHITECTS ~

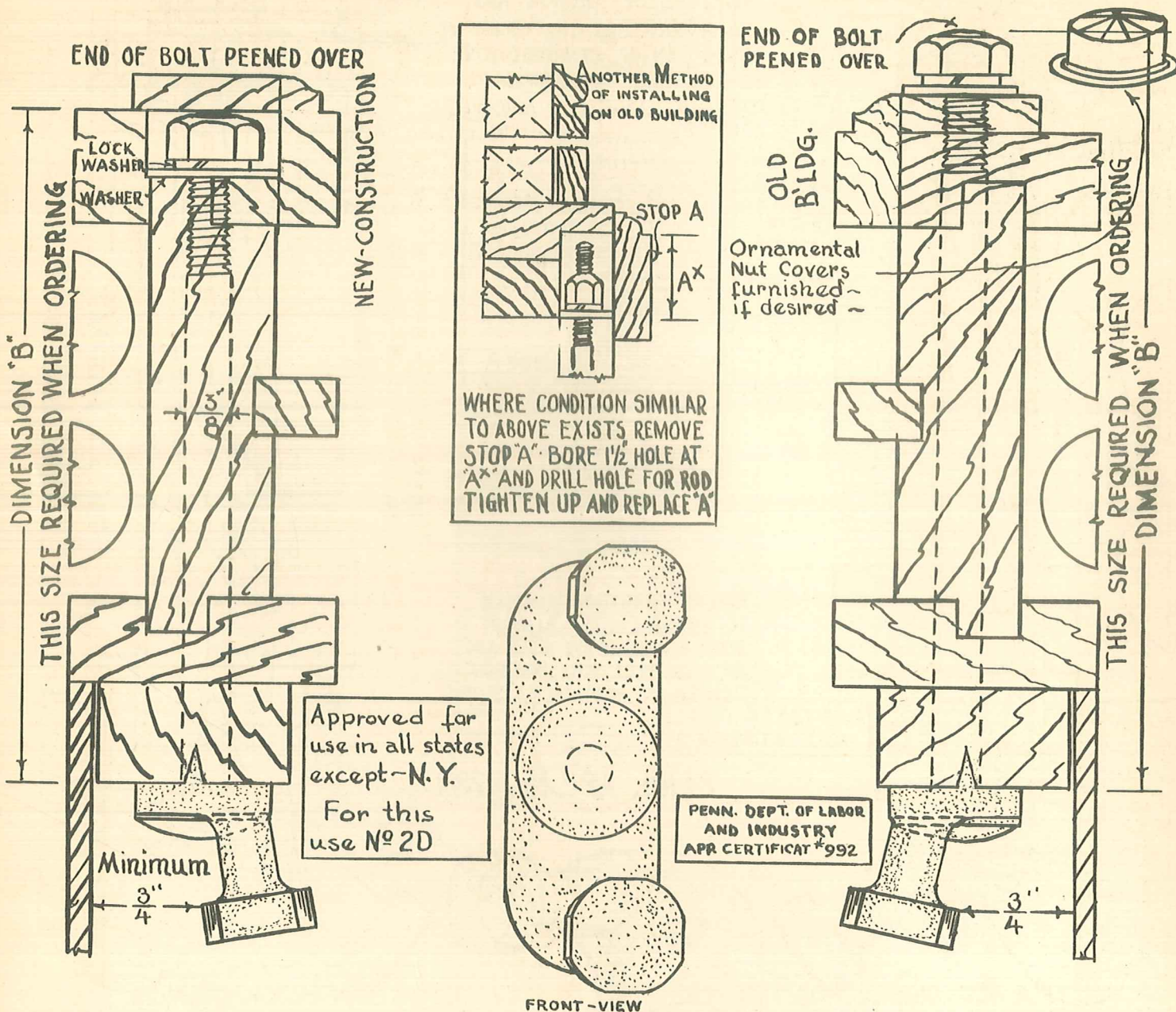
FOR THRU BOLT TYPE ANCHORS, PULLEY STILES SHOULD BE NOT LESS THAN 1 1/8 in. THICK

ACKER & MAN No 20 WINDOW CLEANERS SAFETY ANCHOR

Double-Head Type for Wood or Kalamain Frames

FOR NEW OR OLD CONSTRUCTION

MADE OF FORGED BRONZE AND OTHER APPROVED ALLOYS



FOR NEW CONSTRUCTION - IT IS BEST TO HAVE FRAMES BORED & COUNTERBORED AT MILL
INSTALL AT POINT 46" TO 51" ABOVE TOP OF MASONRY SILL

BOLTS ARE FURNISHED IN LENGTHS FROM 6" TO 8 1/2" IN STEPS OF 1/4"
ABOVE 8 1/2" " " " 1/2"

PRICE : \$ EACH

REPRESENTED BY :

NOTE
ARCHITECTS

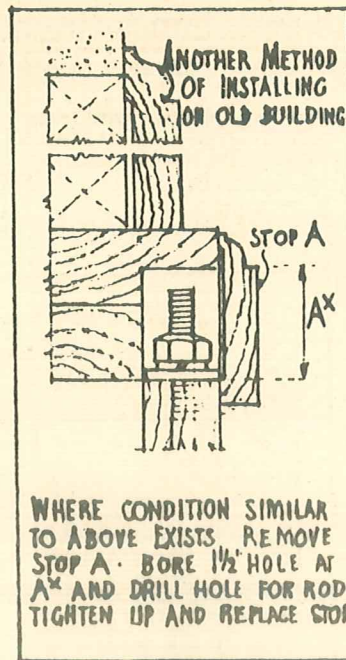
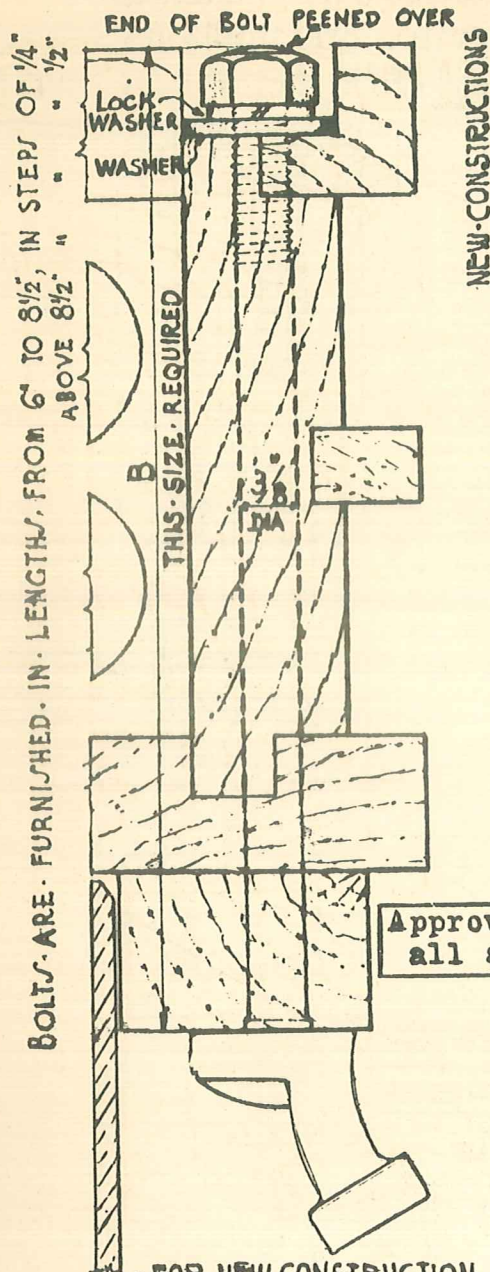
FOR THRU BOLT TYPE ANCHORS PULLEY STILES SHOULD BE NOT LESS THAN 1 1/8" THICK

NEW NO. 5

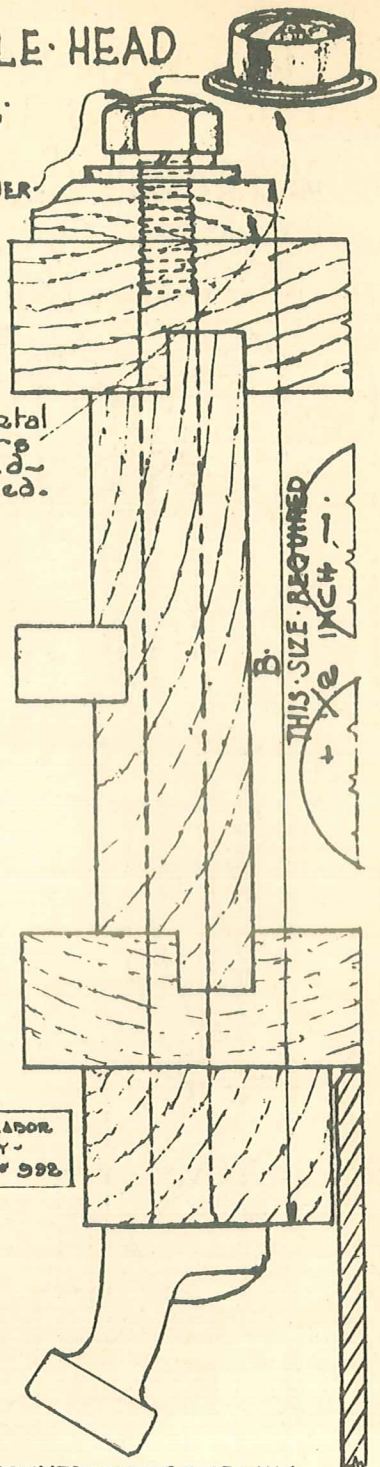
ACKER & MAN · N° 2 D · OFFSET · FORGED · DOUBLE · HEAD
WINDOW · CLEANERS · SAFETY · ANCHOR ·

FOR WOOD AND KALAMEIN FRAMES

END OF BOLT PEENED OVER



OLD BLDGS
BOLTS ARE FURNISHED FROM 6\"/>



Approved for
all states

PENNA. DEPT. OF LABOR
AND INDUSTRY -
APP. CERTIFICAT # 992

FRONT VIEW

- FOR NEW CONSTRUCTION IT IS BEST TO HAVE FRAMES BORED & COUNTERBORED AT MILL
- INSTALL AT A POINT 46\"/>

HEADS · OFF · SET · TO · ALLOW · FOR · MORE · CLEARANCE · BETWEEN · SAME · AND · MASONRY, · THEREBY · ALLOWING · FOR · FREE · USE · OF · SAFETY · BELT · TERMINAL.

PRICE: \$ EACH

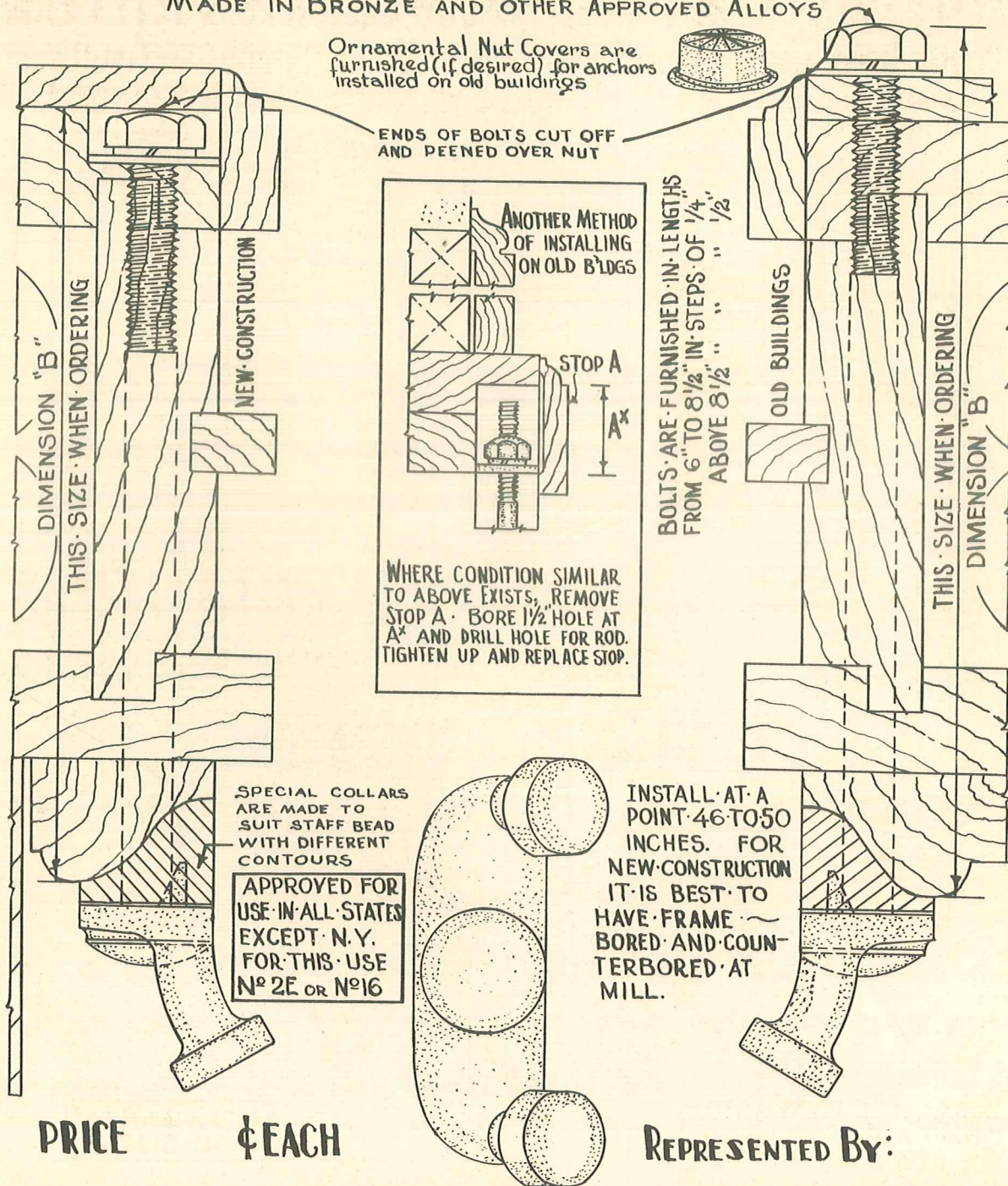
REPRESENTED BY:

NOTE
ARCHITECTS

FOR THRU BOLT TYPE ANCHORS PULLY STILES SHOULD BE NOT LESS THAN 1 1/8 in. THICK

NEW NO. 5A

ACKER & MAN NO. 2DC OFFSET FORGED WINDOW CLEANERS' SAFETY ANCHORS
Double-head type for Wood or Kalamien (frames) jambs and mullions
MADE IN BRONZE AND OTHER APPROVED ALLOYS



PRICE EACH

REPRESENTED BY:

NOTE
ARCHITECTS

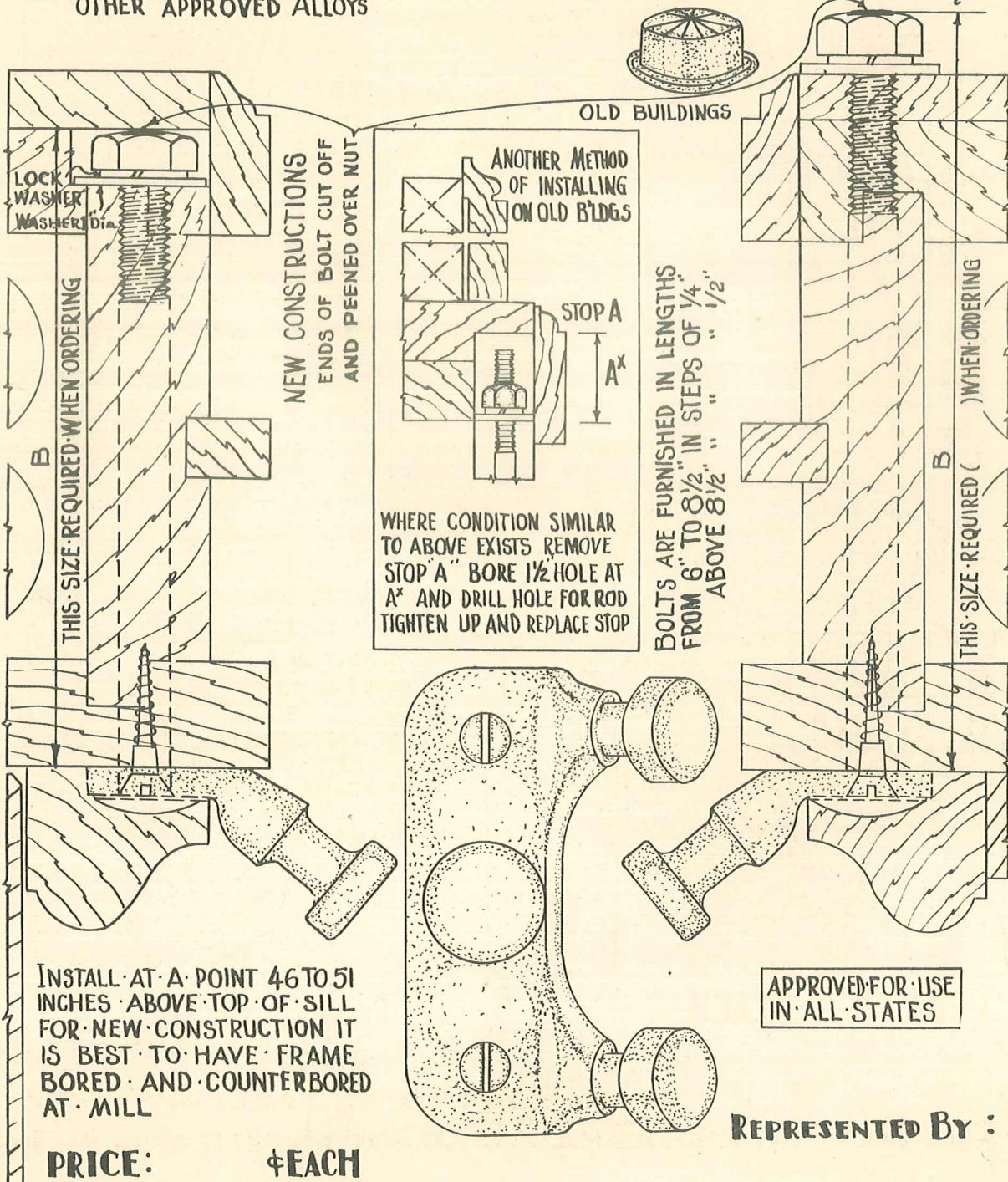
FOR THRU BOLT TYPE ANCHORS PULLY STILES SHOULD NOT BE LESS THAN 1/8 in. THICK

NOT FURNISHED

ACKER & MAN N^o 2E FORGED WINDOW CLEANERS' SAFETY ANCHOR Double head type for Wood or Kalamein (frames) jambs and mullions

MADE IN BRONZE AND
OTHER APPROVED ALLOYS

Ornamental Nut Covers are furnished
(if desired) for anchors installed on old building



HALLENBECK INSPECTION AND TESTING LABORATORY

CHEMISTS AND TESTING ENGINEERS

FRANCIS BUILDING

56-62 PEARL STREET, COR. SENECA

Docket No. PA-1856-D

TESTS OF
CEMENT, SAND, GRAVEL
CONCRETE AND MATERIALS
OF ALL KINDS
CORE DRILLING

GEORGE S. HALLENBECK, PRESIDENT
TELEPHONE, WASHINGTON 7407

BUFFALO, N. Y.

INSPECTION OF
STRUCTURAL STEEL
REINFORCING BARS
RAILWAY EQUIPMENT
PAVING MATERIAL

April 4th, 1938.

PLEASE ADDRESS ALL COMMUNICATIONS
TO THE COMPANY AND REFER TO
FILE NO. 837.2

Certificate of Analysis

NOTE - BY ACKER & MAN; INC. LABORATORY No. 50342

HEAD SECTION MADE FROM FOR Edinboro Teachers College
TITAN U.S. NAVAL BRASS. SAMPLE OF Safety Anchor

BOLT MADE FROM DATE RECEIVED April 1st, 1938
CHASE U.S. NAVAL BRASS.

SUBMITTED BY J. M. Benzinger, Inc.

SAMPLE MARKED #2 D-Offset Window Cleaners, Safety Anchors
Mfr. Acker & Man, Inc., 14 W. 17th St.,
New York City.

This sample has been tested with the following results:

TENSILE TEST

Dia. of Bar	Area of Bar	Breaking Load Lbs.	Tensile Strength Lbs. per sq. inch	Elongation 2"
.370"	.1075"	7000#	65,120#	37.5%

This specimen delivered to laboratory via Parcels Post from J. M. Benzinger, Inc., Edinboro, Pa.

Test Authority dated March 30th, 1938.

This specimen complies with specification requirements for minimum tensile strength of 50,000# and minimum elongation of 15% in two inches. We approve this specimen for use on this project.

SPECIFICATIONS FULLY MET

Respectfully submitted,
HALLENBECK INSPECTION & TESTING LABORATORY

Geo. S. Hallenbeck
Geo. S. Hallenbeck, President.

Reports to
1-Chief Engineer
4-J. M. Benzinger, Inc., aat job
1-J. M. Benzinger, Inc., Jamestown
1-Acker & Man, Inc.

LW

THIS REPORT NOT TO BE USED FOR ADVERTISING PURPOSES WITHOUT OUR KNOWLEDGE OR CONSENT

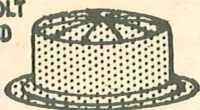
3
 ACKER & MAN: N^o 27

: FORGED WINDOW CLEANERS: SAFETY: ANCHOR.

Single head type for wood or Kalamein Jamb and Mullions

MADE IN BRONZE AND OTHER APPROVED ALLOYS.

END OF BOLT
 CUT OFF AND
 RIVETTED
 OVER NUT



Ornamental nut covers
 are furnished (if desired)
 for anchors installed
 in old buildings

METHOD OF INSTALLING
 ANCHOR ON NARROW MULLION.

LOCK WASHER
 WASHER

APPLICATION ON OLD BUILDINGS

END OF BOLTS CUT OFF
 AND PEENED OVER NUTS

LOCK WASHER
 WASHER

APPLICATION ON NEW FRAMES

INSTALL AT A POINT
 46" TO 51" ABOVE
 TOP OF SILL.
 FOR NEW CONSTRUCTION,
 IT IS BEST TO HAVE
 FRAMES BORED AND
 COUNTER BORED
 AT MILL.

1" DIA. WASHER
 1 3/4" " "
 (USE 1 3/4" WASHER ONLY
 IF NECESSARY)

BOLTS ARE
 FURNISHED IN LENGTHS FROM 6" TO 8 1/2"
 IN STEPS OF 1/4" 1/2"
 ABOVE 8 1/2" " 1/2"
 THIS SIZE REQUIRED
 WHEN ORDERING

3/8"
 DIA

APPROVED FOR ALL
 STATES EXCEPT
 PENNSYLVANIA AND
 WISCONSIN.

FOR THESE,
 USE DOUBLE
 HEAD TYPE.

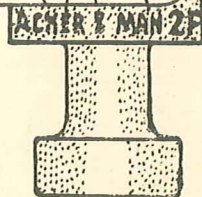
THIS SIZE REQUIRED
 WHEN ORDERING

N.Y. STATE
 Dept. of Labor
 App. No 2093

OFFSET

PATENTED - OCTOBER - 1935

PRICE : \$ EACH



STRAIGHT

N.Y. STATE
 DEPT. OF LABOR
 APP. NO. 2027

DONT INSTALL ANCHORS THAT HAVE -NOTE- REPRESENTED BY:
 NOT 3/4" CLEARANCE.

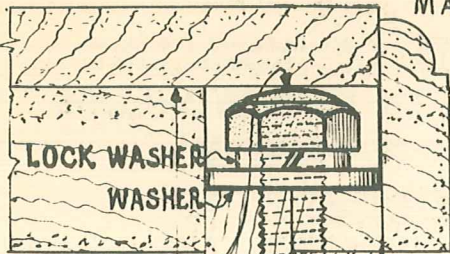
ARCHITECTS

FOR THRU BOLT TYPE ANCHORS, PULLEY STILES SHOULD BE NOT LESS THAN 1 1/8" THICK

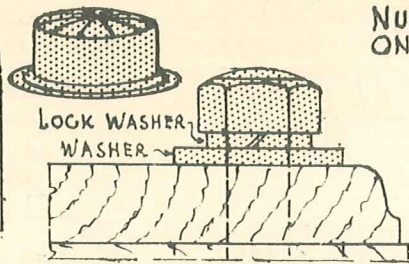
ACKER & MAN: N^o 2F & 2FC FORGED WINDOW CLEANERS: SAFETY ANCHOR. Single head type for wood or kalamein Jamb and Mullions

MADE IN BRONZE, AND OTHER APPROVED ALLOYS

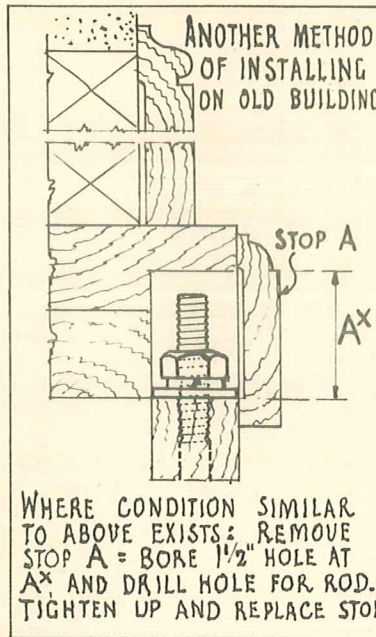
NUTS AND WASHERS COUNTER-SUNK IN
ON NEW CONSTRUCTION ONLY.



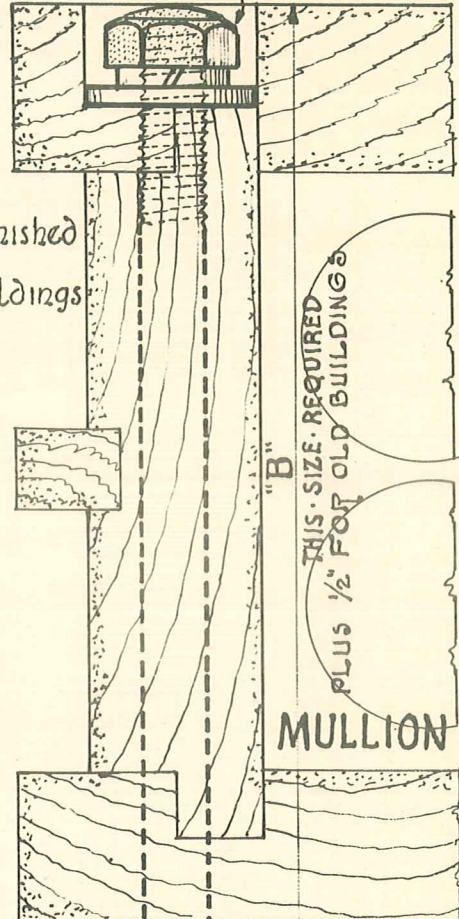
END OF BOLTS
CUT OFF AND
PEENED OVER



Ornamental nut covers are furnished
(if desired)
for anchors installed in old buildings



WHERE CONDITION SIMILAR
TO ABOVE EXISTS: REMOVE
STOP A = BORE 1 1/2" HOLE AT
A' AND DRILL HOLE FOR ROD.
TIGHTEN UP AND REPLACE STOP



THIS SIZE REQUIRED
PLUS 1/2" FOR OLD BUILDINGS

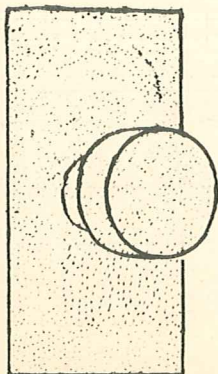
MULLION

Patented
Nov. 23/1927

THE USE OF OUR SPECIALLY
DESIGNED SHAPED BEARINGS TO
SUIT DIFFERENT MOULDINGS
ELIMINATE CUTTING OF STAFF BEADS
FURNISHED IN LENGTHS FROM
6" TO 8 1/2" IN STEPS OF 1/4"
ABOVE 8 1/2", IN STEPS OF 1/2"

N.Y. STATE
DEPT. OF LABOR
APP. No. 2099

NOTE: INSTALL AT A POINT 46" TO 51"
ABOVE TOP OF SILL.

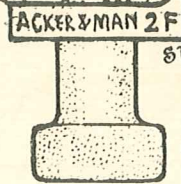


APPROVED FOR ALL
STATES EXCEPT -
PENN. & WISC.
FOR THESE USE
DOUBLE HEADTYPE

N.Y. STATE
DEPT. OF LABOR
APP. No. 2027

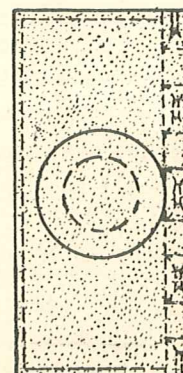
PRICES:
2F \$ EACH
2FC \$ EACH

REPRESENTED BY:



STRAIGHT

PATENTED -
OCTOBER 1935



SPECIFY IF
ANCHORS ARE FOR
FLAT OR CURVED
MOULDINGS.

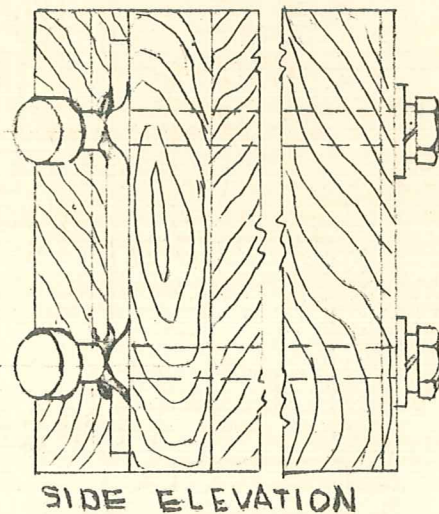
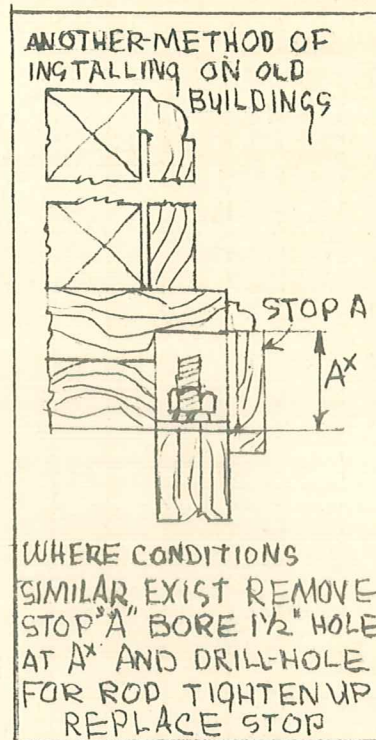
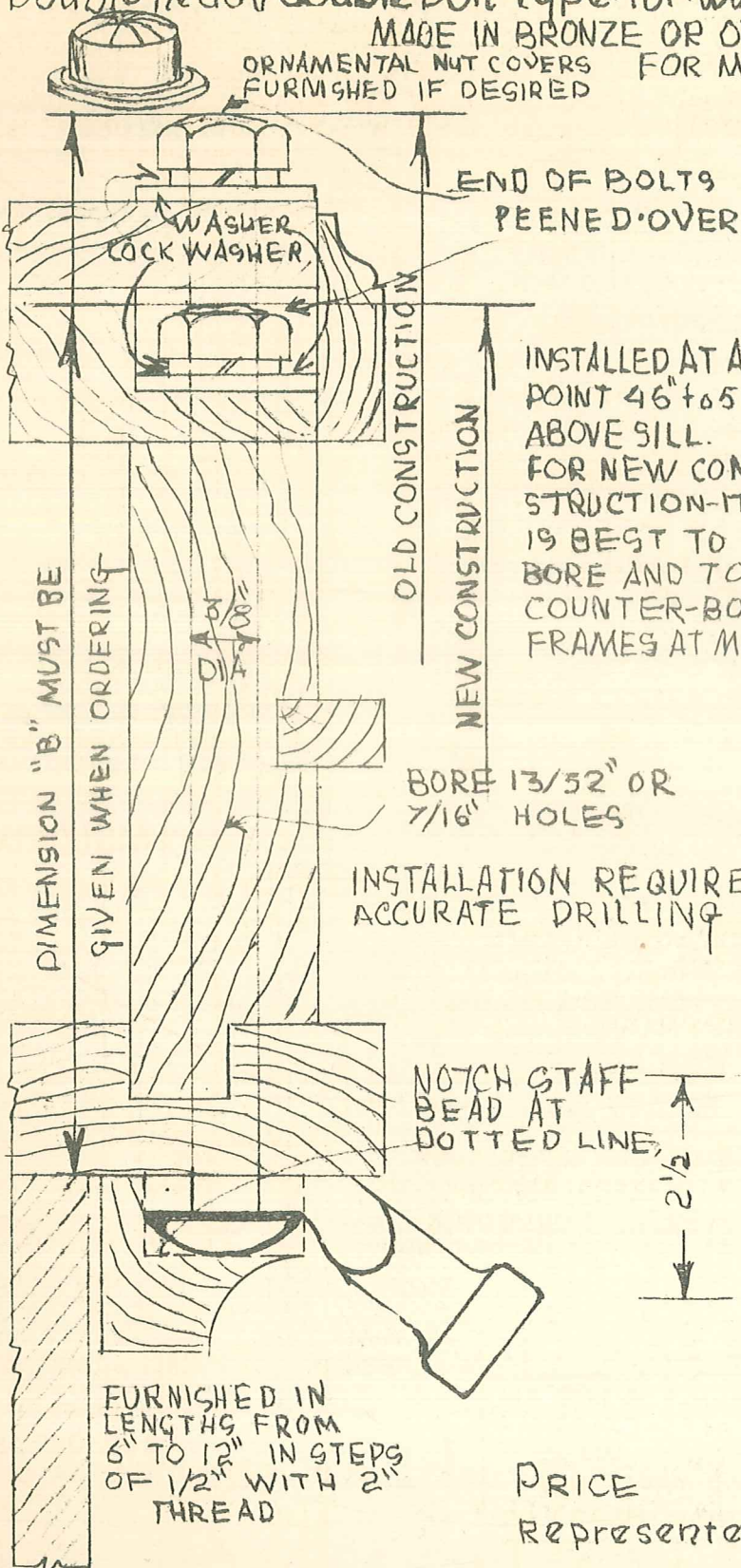
NOTE: ARCHITECTS

FOR THRU BOLT TYPE ANCHORS, PULLEY STILES SHOULD BE NOT LESS THAN 1 1/8" THICK

ACKER & MAN N° 2G FORGED WINDOW-CLEANER'S SAFETY ANCHOR

Double head & double bolt type for wood or kalamam frames

MADE IN BRONZE OR OTHER APPROVED ALLOYS FOR MULLIONS OR JAMBS



PRICE \$ EACH
Represented by:

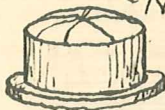
NOTE
ARCHITECTS

FOR THRU-BOLT TYPE ANCHORS PULLEY STILES SHOULD BE NOT LESS THAN 1 1/8" THICK

ACKER & MAN^{NO} 2H OFFSET FORGED WINDOW CLEANERS SAFETY ANCHOR

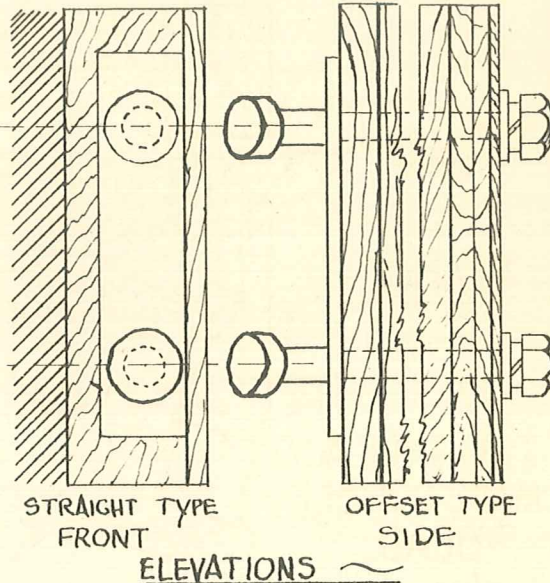
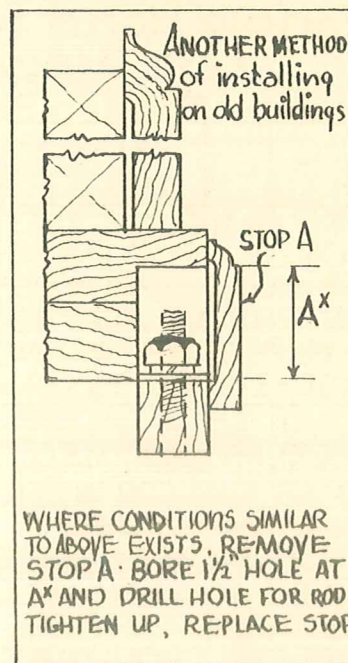
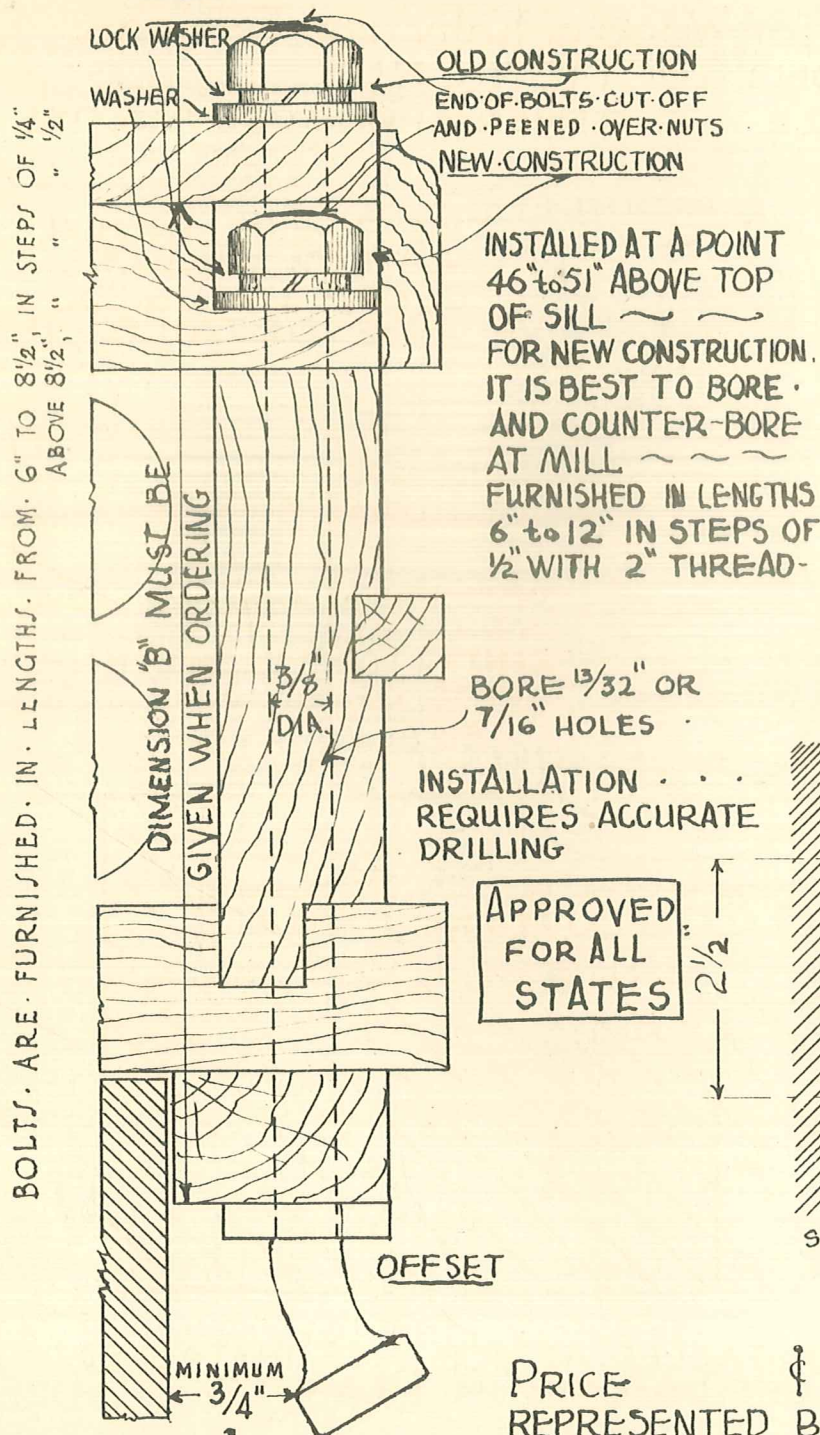
Double head & Double bolt Type for wood or kalamein frames . . .

~ MADE IN BRONZE & OTHER APPROVED ALLOYS ~



ORNAMENTAL NUT COVERS
FURNISHED IF DESIRED

STRAIGHT OR OFFSET TYPES
FOR MULLIONS OR JAMBS



PRICE & EACH
REPRESENTED BY: _____

DONT INSTALL ANCHORS THAT HAVE
NOT 3/4" CLEARANCE.

NOTE
ARCHITECTS

FOR THRU BOLT ANCHORS PULLY STILES SHOULD BE NOT LESS THAN 1 1/8" THICK

26
ACKER & MAN NO 3 WINDOW CLEANERS' SAFETY ANCHOR

Single Head Type for Wood or Kalamien Frames
FOR NEW CONSTRUCTION ONLY

MADE OF FORGED BRONZE AND OTHER APPROVED ALLOYS

ALSO MADE IN CAST
BRONZE - BUT THESE
ARE NOT APPROVED
FOR USE IN STATES
OF NEW YORK · PENN.
WISC · ILLINOIS & OHIO

DESIGNED ESPECIALLY
SO AS NOT TO INTER-
FERE WITH FREE
OPERATION OF SCREENS,
WHERE ANCHORS ARE
INSTALLED OUTSIDE,
SCREENS SHOULD BE
HUNG ON TOP

THIS TYPE OF ANCHOR
NOT FOR MULLIONS
USE NO 2B · 2D or 2DC
SEE DETAILS

FURNISHED IN NECESSARY
SIZES IN STEPS OF 1/8 INCH

INSTALL 46 TO 50 INCHES FROM
TOP OF MASONRY SILL TO
CENTER POINT BETWEEN
HEADS OF ANCHOR

1" #12 BRASS SCREW

2" #16 BRASS
SCREW

DIMENSION "B"
THIS SIZE (EXACT) REQUIRED WHEN ORDERING

FLANGE F

THIS TYPE ALSO
MADE DOUBLE
HEAD

ANCHORS SHOULD BE INSTALLED AT JOB. ~ IF INSTALLED
AT MILL THEY WILL GET DAMAGE IN TRANSIT

PRICE NO 3 \$EACH

REPRESENTED BY:

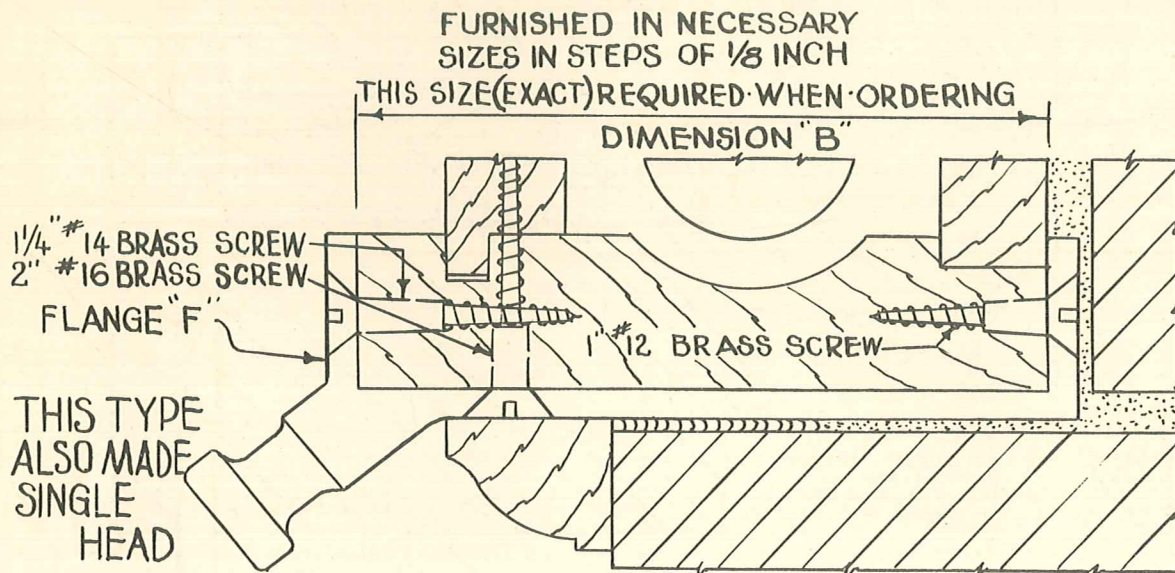
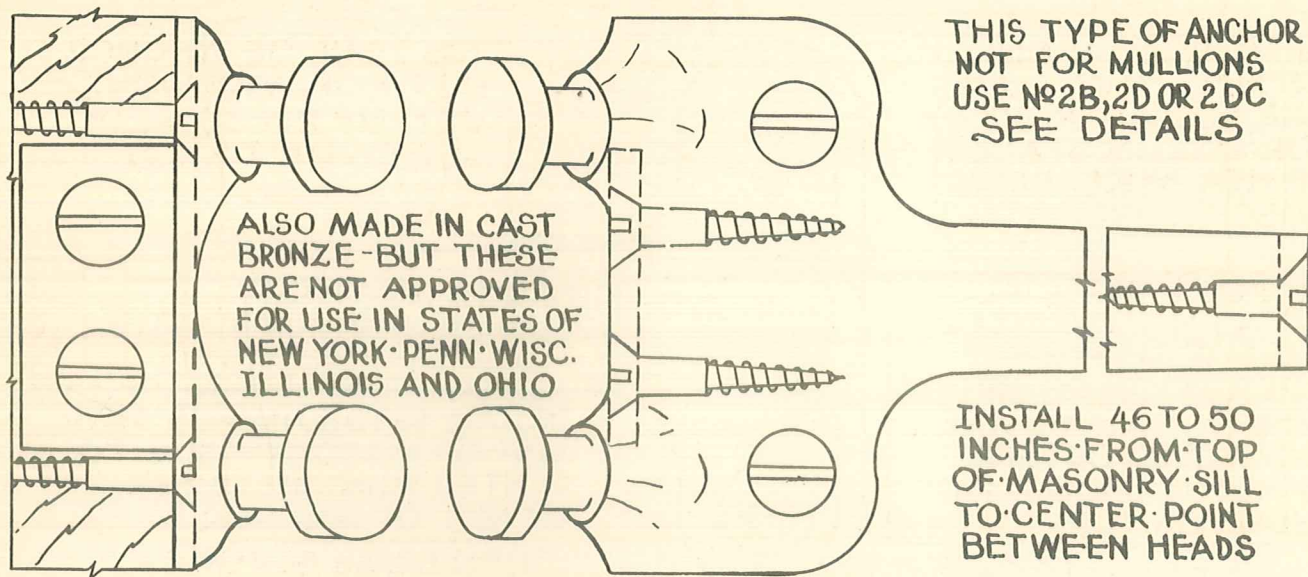
27

ACKER & MAN No. 4 WINDOW CLEANERS' SAFETY ANCHOR

Double Head Type for Wood or Kalamein Frames

FOR NEW CONSTRUCTION ONLY

MADE OF FORGED BRONZE AND OTHER APPROVED ALLOYS

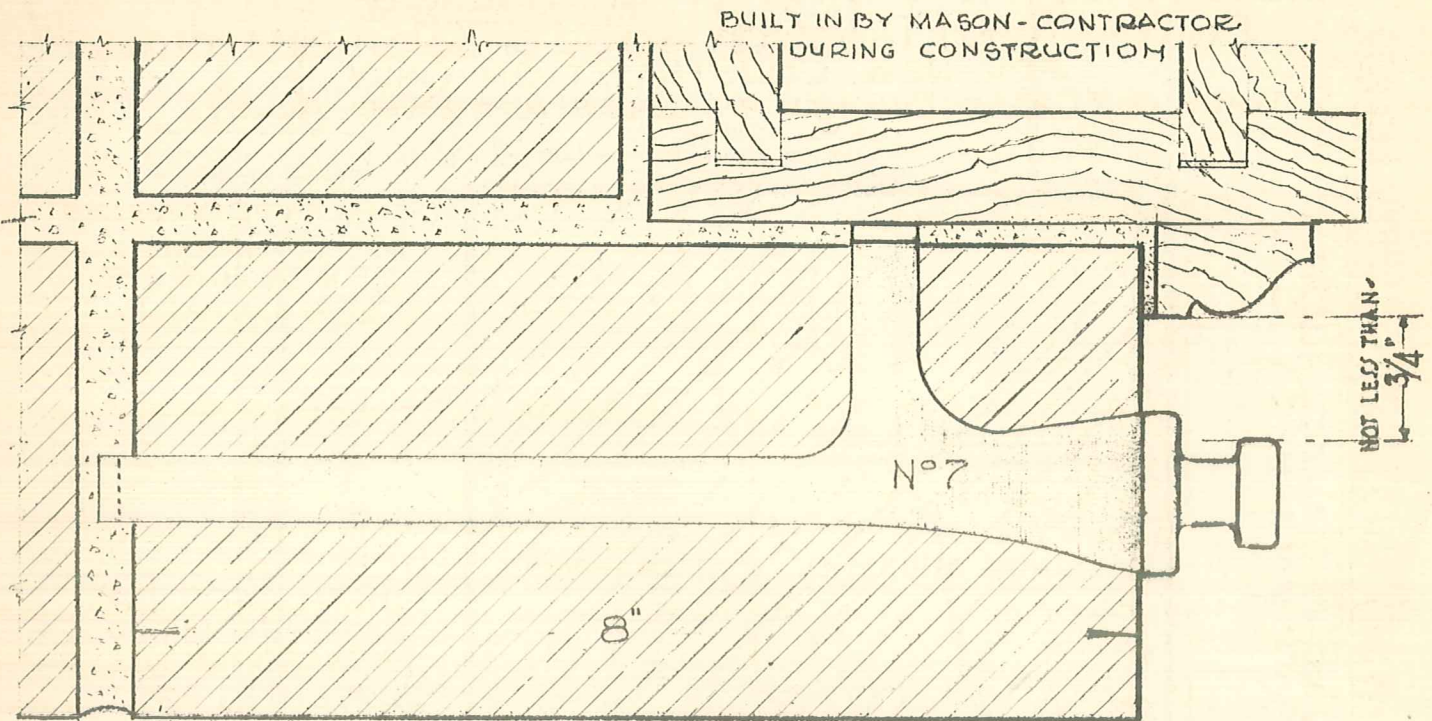


ANCHORS SHOULD BE INSTALLED AT JOB. IF INSTALLED AT MILL, THEY WILL GET DAMAGED IN TRANSIT

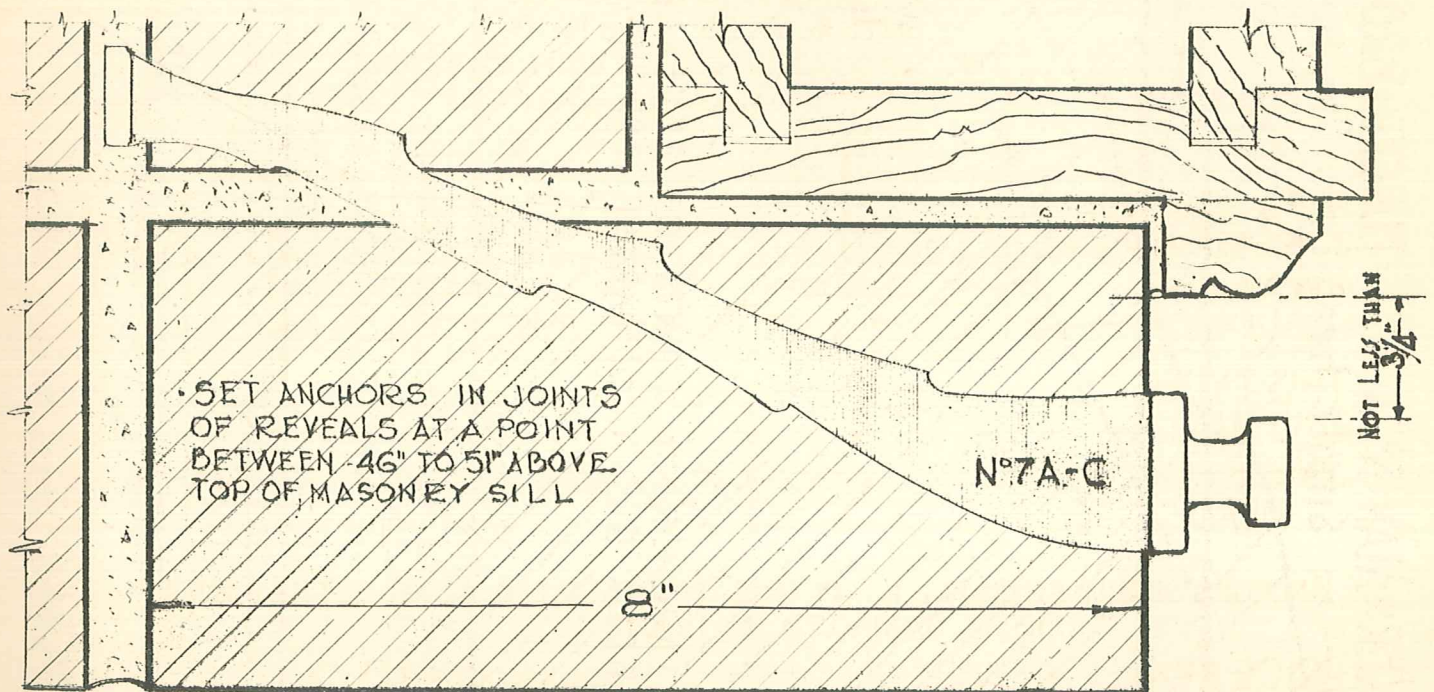
PRICE No. 4 ¢ EACH

REPRESENTED BY:

ACKER & MAN N° 7 AND N° 7A-C CAST BRONZE WINDOW CLEANERS SAFETY ANCHOR FOR INSTALLING IN MASONRY



BOTH TYPES ARE ALSO FURNISHED WITH DOUBLE HEAD



NOT APPROVED IN STATES OF NEW-YORK, PENN. - WISCONSIN & OHIO
FOR THESE USE FORGED BRONZE - SEE OTHER SKETCH.

PRICE

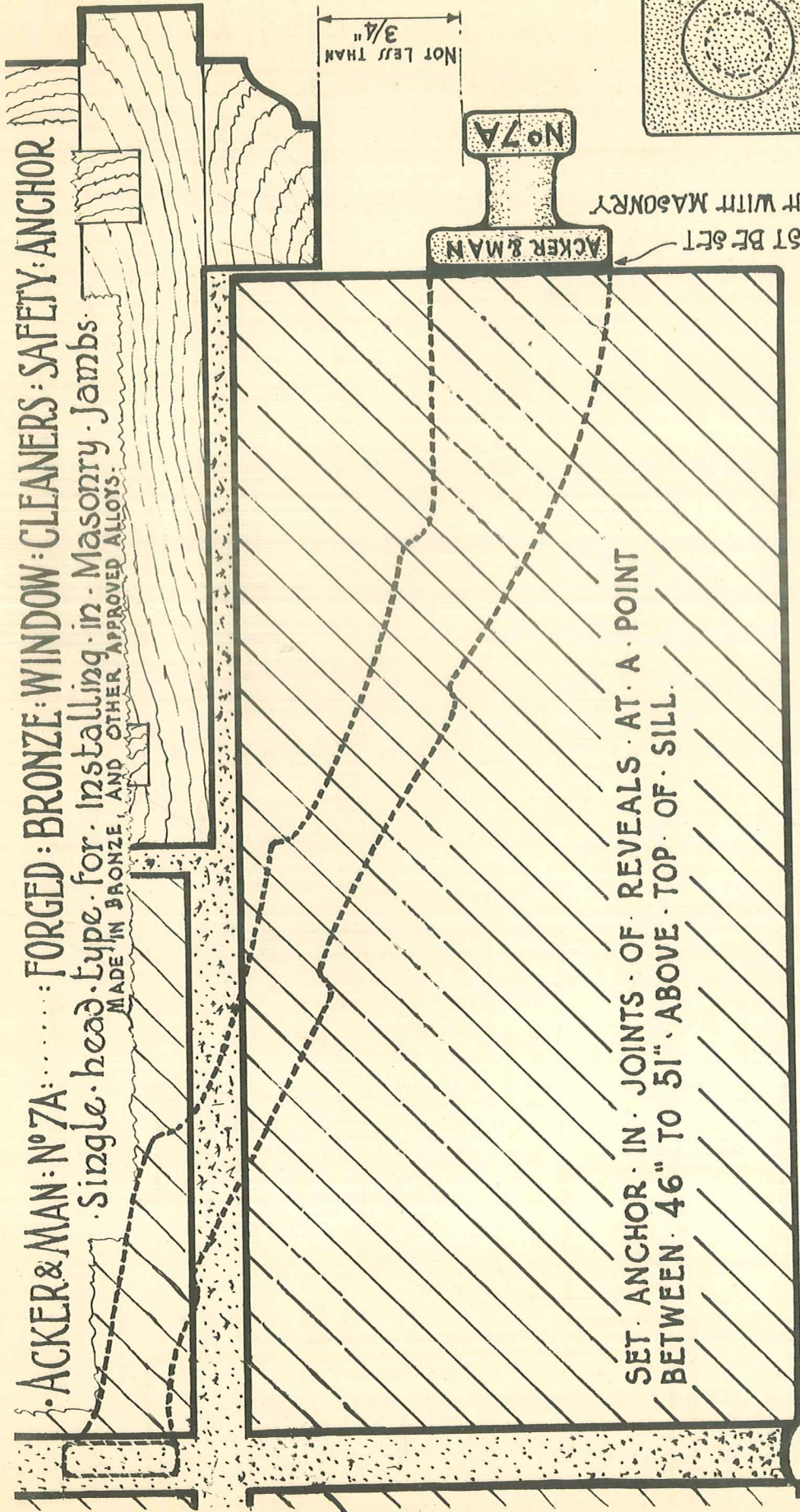
\$ EACH

REPRESENTED BY:

ACKER & MAN: No 7A: FORGED: BRONZE: WINDOW: CLEANERS: SAFETY: ANCHOR

Single-head type for installing in Masonry Jamb

MADE IN BRONZE AND OTHER APPROVED ALLOYS



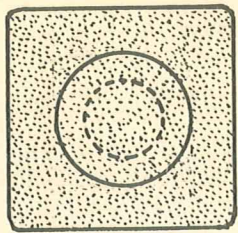
SET ANCHOR IN JOINTS OF REVEALS AT A POINT BETWEEN 46" TO 51" ABOVE TOP OF SILL.

ACKER & MAN

No 7A

FLUSH WITH MASONRY

MUST BE SET

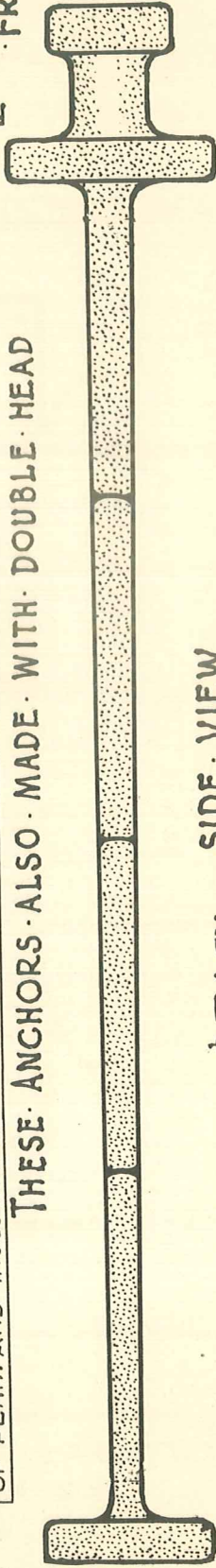


FRONT VIEW

APPROVED
IN THE
STATE OF
OHIO

NOT APPROVED IN STATES = FOR THESE USE DOUBLE — HEAD TYPE.

THESE ANCHORS ALSO MADE WITH DOUBLE HEAD



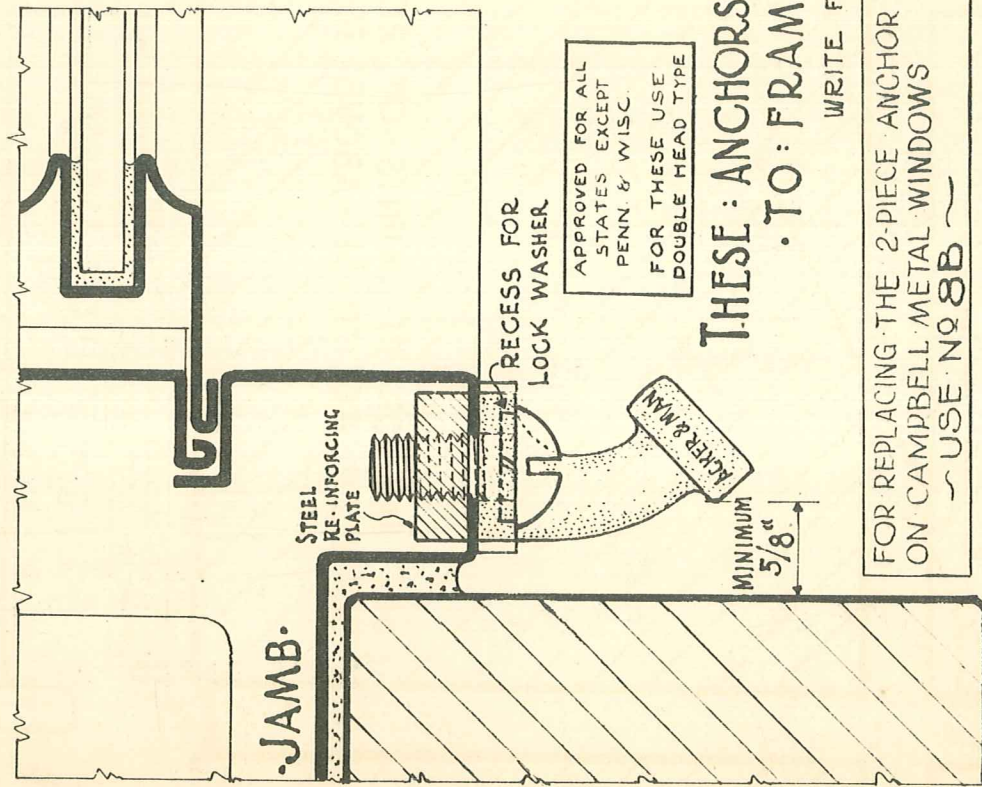
PRICE: \$ EACH - SIDE VIEW REPRESENTED BY:

N.Y. STATE
DEPT. OF LABOR
APP. No 2029

ACKER & MAN NO. 8.....: FORGED BRONZE WINDOW CLEANERS SAFETY ANCHOR

Single head type for Metal windows of the Campbell, Pomeroy, Truscon and similar type.

MADE OF FORGED BRONZE AND OTHER APPROVED ALLOYS.

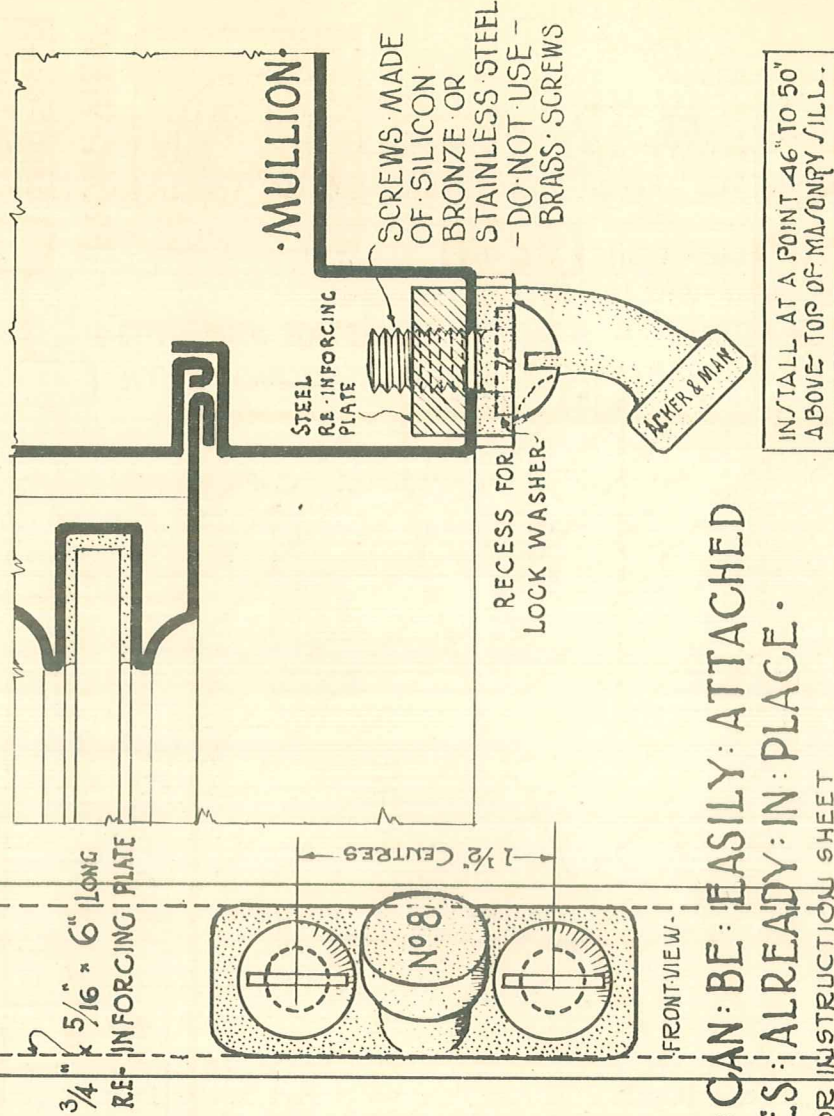


APPROVED FOR ALL STATES EXCEPT PENN & WISC FOR THESE USE DOUBLE HEAD TYPE

THESE ANCHORS CAN BE EASILY ATTACHED TO FRAMES ALREADY IN PLACE.

WRITE FOR INSTRUCTION SHEET

FOR REPLACING THE 2-PIECE ANCHOR ON CAMPBELL METAL WINDOWS ~ USE NO 8B ~



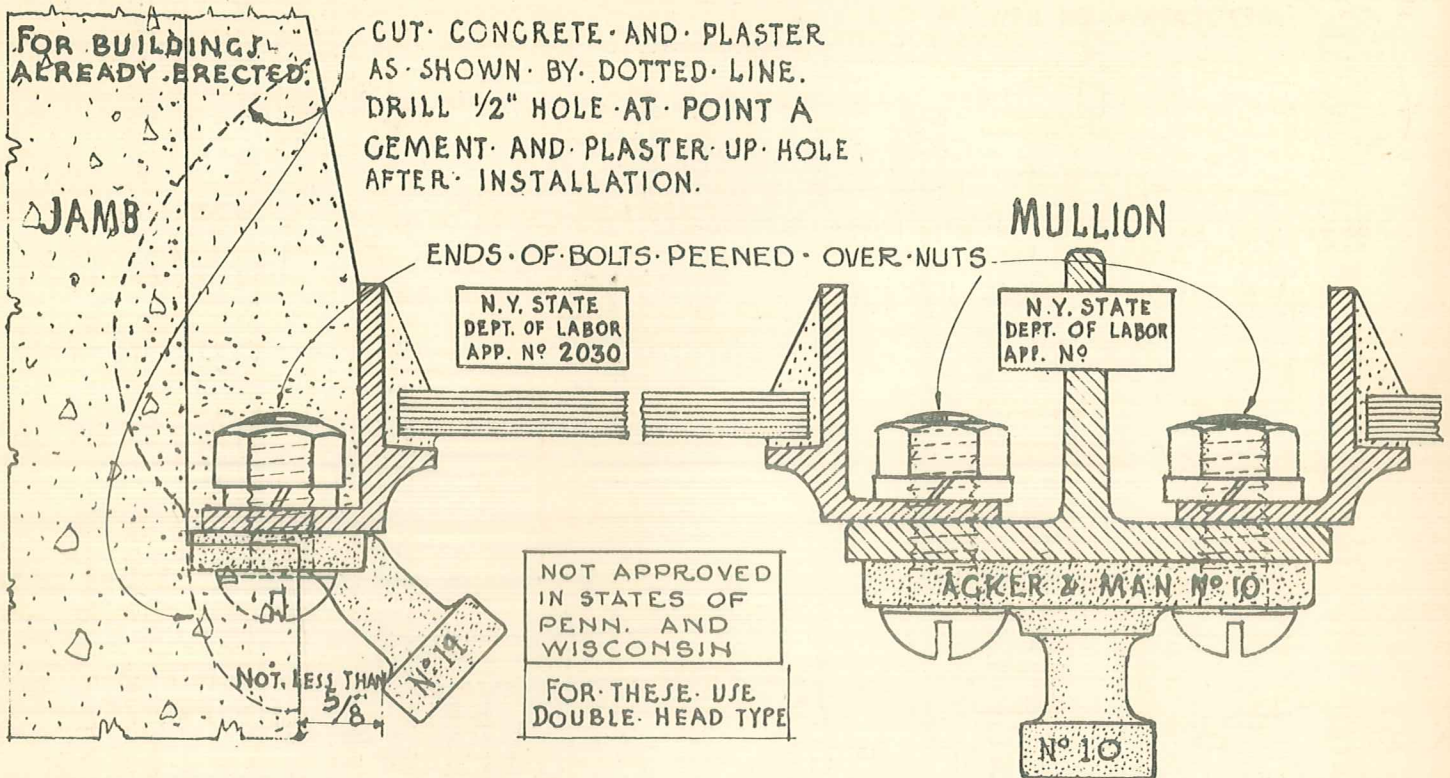
INSTALL AT A POINT 46" TO 50" ABOVE TOP OF MASONRY SILL.

ANCHORS ARE FURNISHED WITH OR WITHOUT RE-INFORCING PLATES.

PRICES: ONE UNIT COMPLETE \$ EACH ANCHORS ONLY \$ EACH REPRESENTED BY:

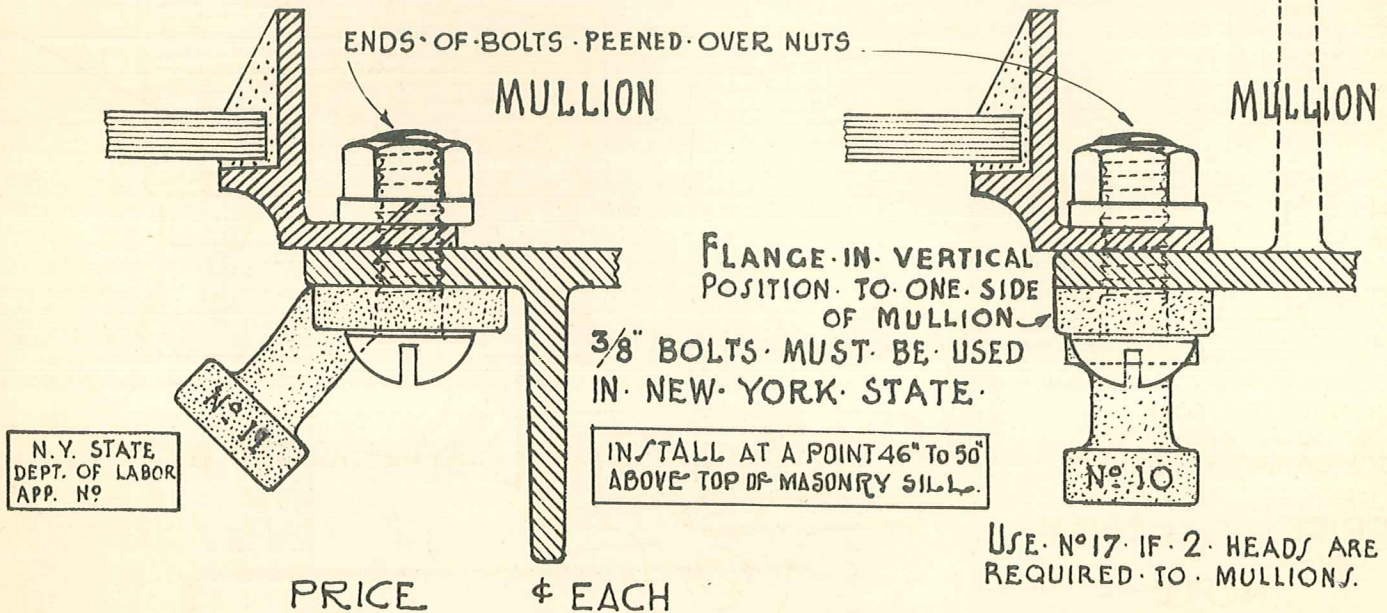
N.Y. STATE DEPT. OF LABOR APP. NO 2028

10
ACKER & MAN N°10 & N°11 WINDOW CLEANERS SAFETY ANCHORS
 FOR FACTORY TYPE STEEL SASH AND STEEL CASEMENT WINDOWS.
 ANCHORS ARE OF FORGED BRONZE OR APPROVED ALLOY.



BOLTS ARE FURNISHED 3/4 LONG UNLESS ORDERED OTHERWISE.

N°10 ANCHOR.
 DRILLED ON 1/2" OR 15/8" CENTERS FOR TWO 5/16" (#18) OR 3/8" (#16) BOLTS DIFFERENT CENTERS IF REQUIRED.

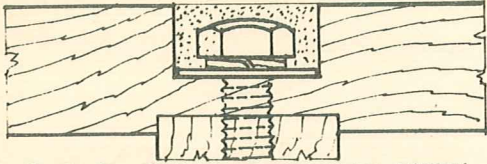


REPRESENTED BY :

ACKER & MAN N° 9 WINDOW CLEANERS SAFETY ANCHOR FOR WOOD & KALAMEIN MULLIONS

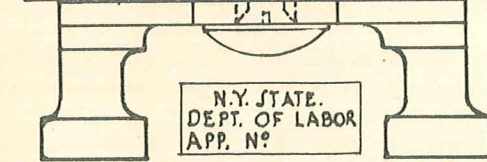
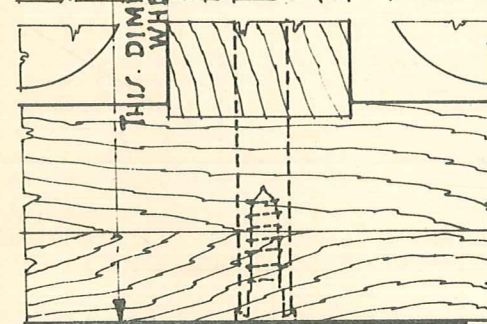
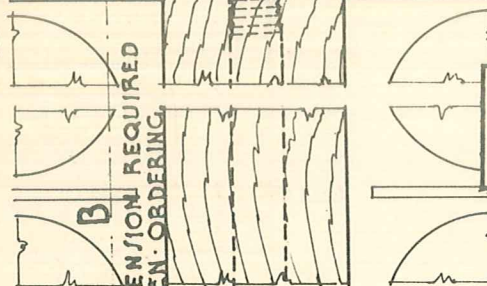
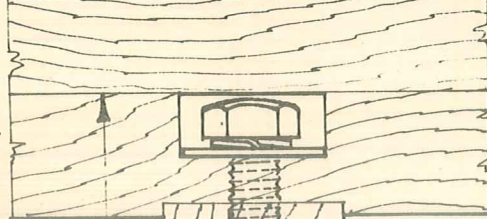
THESE ARE ONLY ADAPTABLE WHEN THEY CAN BE INSTALLED IN CENTRE OF MULLION
THIS TYPE IS FOR THE SINGLE HEAD OR 2 BOLT SYSTEM, OR WHERE SINGLE HEAD
ANCHORS ARE INSTALLED IN JAMBS.

APPLICATION ON NEW OR OLD
CONSTRUCTION



CAN BE FINISHED OFF WITH PUTTY,
WOOD DOWEL, OR PLASTIC WOOD.

APPLICATION ON NEW CONSTRUCTION



N.Y. STATE.
DEPT. OF LABOR
APP. N°

INSTALL AT A POINT
46" TO 51" ABOVE
TOP OF MASONRY SILL.

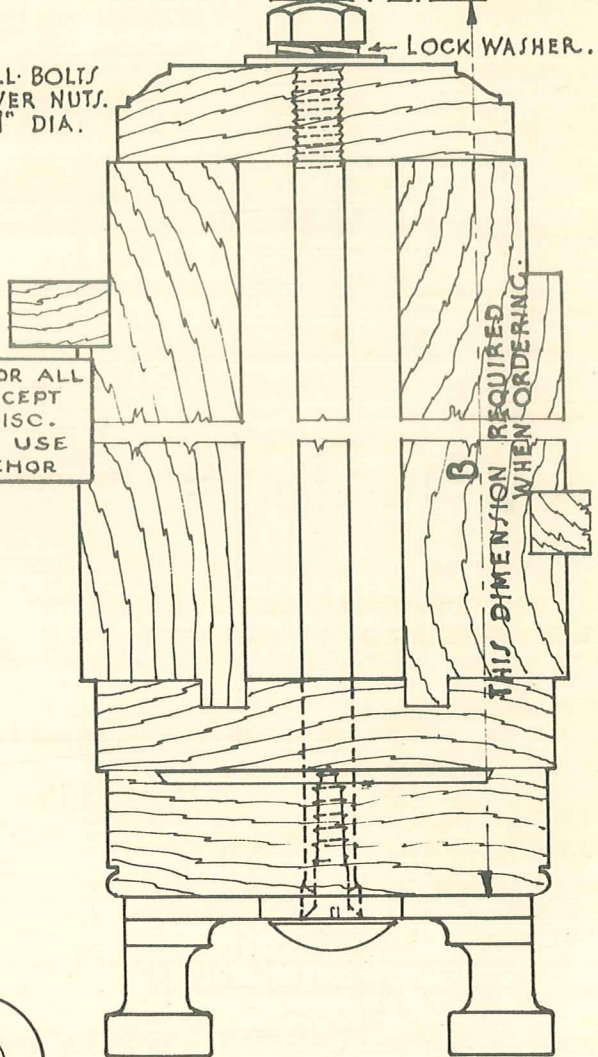
PRICE ₡ EACH

NOTE
ARCHITECTS

ORNAMENTAL NUT COVER FURNISHED
IF DESIRED.

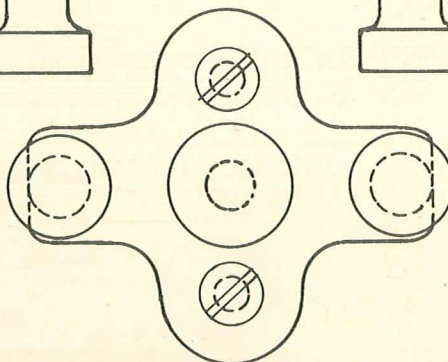


APPLICATION ON NEW OR OLD CONSTRUCTION.



ENDS OF ALL BOLTS
PEENED OVER NUTS.
WASHERS 1" DIA.

APPROVED FOR ALL
STATES EXCEPT
PENN. & WISC.
FOR THESE USE
N° 9A ANCHOR



REPRESENTED BY:

FRONT VIEW

FOR THRU BOLT ANCHORS PULLEY STILES SHOULD BE NOT LESS THAN 1 1/8 in. THICK

ACKER & MAN N° 94 WINDOW CLEANER SAFETY ANCHOR FOR WOOD & KALAMEIN MULLIONS

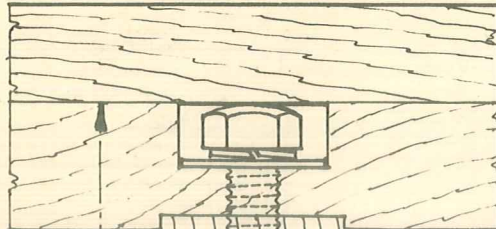
USE ONLY WHEN THEY CAN BE INSTALLED THROUGH CENTRE
FOR DOUBLE HEAD OR 4 BOLT INSTALLATION

APPLICATION ON NEW OR OLD CONSTRUCTION.



CAN BE FINISHED OFF WITH PUTTY, WOOD DOWEL, OR PLASTIC WOOD.

APPLICATION ON NEW CONSTRUCTION.

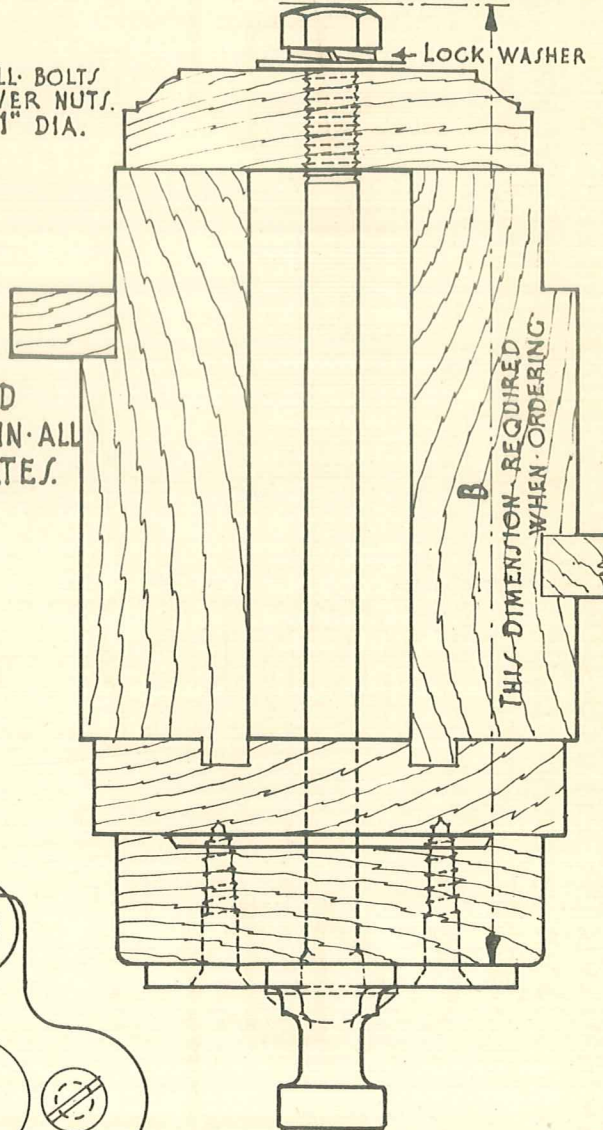


ENDS OF ALL BOLTS PEENED OVER NUTS. WASHERS 1" DIA.

ORNAMENTAL NUT COVERS FURNISHED IF DESIRED.



APPLICATION ON NEW OR OLD CONSTRUCTION



APPROVED FOR USE IN ALL STATES.

THIS DIMENSION REQUIRED WHEN ORDERING

THIS DIMENSION REQUIRED WHEN ORDERING

BOLTS ARE FURNISHED IN LENGTH FROM 6" TO 8 1/2" IN STEPS OF 1/4" 1/2" 3/4" 1" 1 1/4" 1 1/2" 2" 2 1/2" 3" 3 1/2" 4" 4 1/2" 5" 5 1/2" 6" 6 1/2" 7" 7 1/2" 8" 8 1/2" 9" 9 1/2" 10" 10 1/2" 11" 11 1/2" 12" 12 1/2" 13" 13 1/2" 14" 14 1/2" 15" 15 1/2" 16" 16 1/2" 17" 17 1/2" 18" 18 1/2" 19" 19 1/2" 20" 20 1/2" 21" 21 1/2" 22" 22 1/2" 23" 23 1/2" 24" 24 1/2" 25" 25 1/2" 26" 26 1/2" 27" 27 1/2" 28" 28 1/2" 29" 29 1/2" 30" 30 1/2" 31" 31 1/2" 32" 32 1/2" 33" 33 1/2" 34" 34 1/2" 35" 35 1/2" 36" 36 1/2" 37" 37 1/2" 38" 38 1/2" 39" 39 1/2" 40" 40 1/2" 41" 41 1/2" 42" 42 1/2" 43" 43 1/2" 44" 44 1/2" 45" 45 1/2" 46" 46 1/2" 47" 47 1/2" 48" 48 1/2" 49" 49 1/2" 50" 50 1/2" 51" 51 1/2" 52" 52 1/2" 53" 53 1/2" 54" 54 1/2" 55" 55 1/2" 56" 56 1/2" 57" 57 1/2" 58" 58 1/2" 59" 59 1/2" 60" 60 1/2" 61" 61 1/2" 62" 62 1/2" 63" 63 1/2" 64" 64 1/2" 65" 65 1/2" 66" 66 1/2" 67" 67 1/2" 68" 68 1/2" 69" 69 1/2" 70" 70 1/2" 71" 71 1/2" 72" 72 1/2" 73" 73 1/2" 74" 74 1/2" 75" 75 1/2" 76" 76 1/2" 77" 77 1/2" 78" 78 1/2" 79" 79 1/2" 80" 80 1/2" 81" 81 1/2" 82" 82 1/2" 83" 83 1/2" 84" 84 1/2" 85" 85 1/2" 86" 86 1/2" 87" 87 1/2" 88" 88 1/2" 89" 89 1/2" 90" 90 1/2" 91" 91 1/2" 92" 92 1/2" 93" 93 1/2" 94" 94 1/2" 95" 95 1/2" 96" 96 1/2" 97" 97 1/2" 98" 98 1/2" 99" 99 1/2" 100"

INSTALL AT A POINT 46" TO 51" ABOVE TOP OF MASONRY SILL.

N.Y. STATE DEPT. OF LABOR APP. N°

PENNSYLVANIA DEPT. OF LABOR & INDUSTRY APP. CERTIFICATE N°

PRICE \$ EACH

NOTE ARCHITECTS

FRONT VIEW

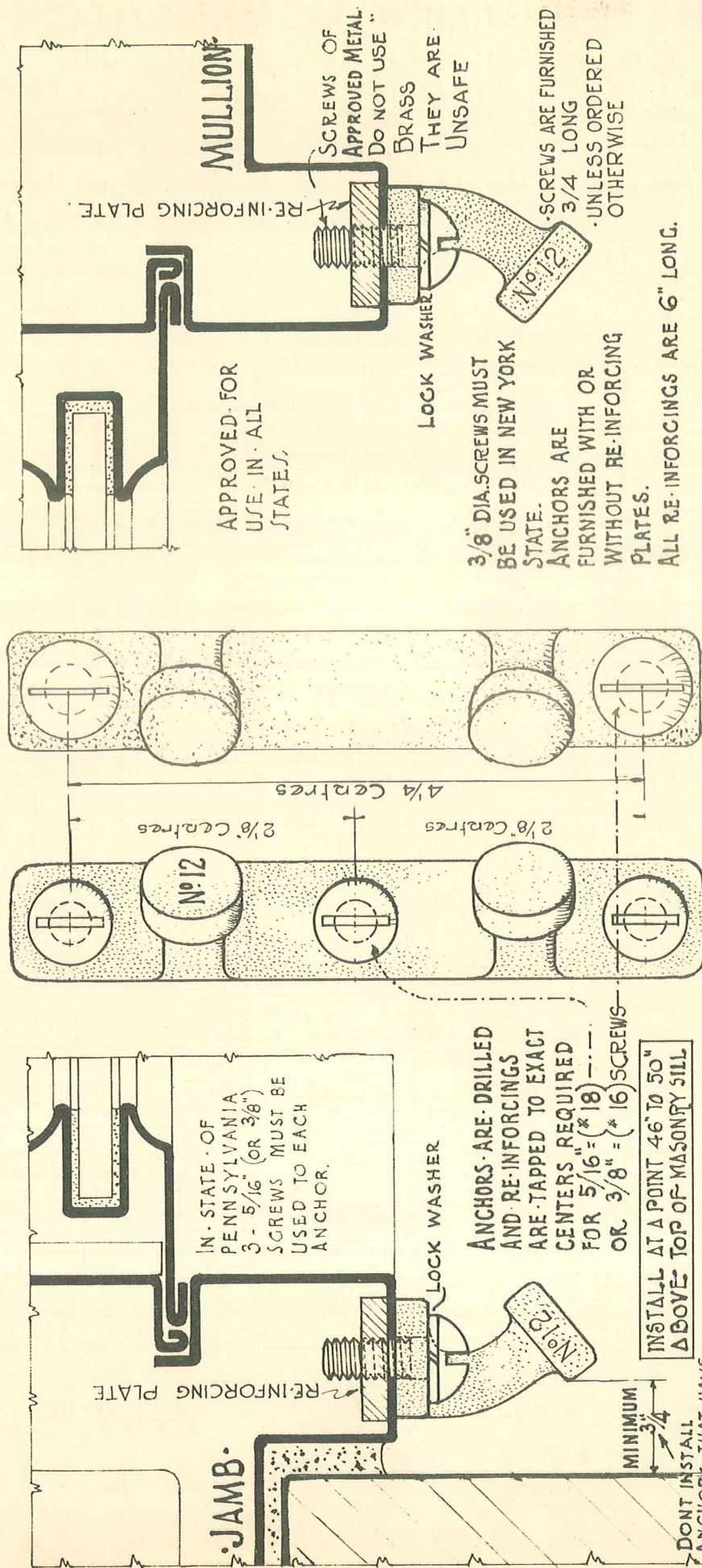
REPRESENTED BY:

FOR THRU BOLT ANCHORS PULLEY STILES SHOULD BE NOT LESS THAN 1 1/8 IN. THICK

ACKER & MAN · NO. 12 OFFSET FORGED · BRONZE · WINDOW · CLEANERS · SAFETY · ANCHOR ·

Double head type for Metal windows of the Campbell, Pomeroy, Truscon and similar type.

MADE IN BRONZE, AND OTHER APPROVED ALLOYS.



THESE ANCHORS CAN BE EASILY ATTACHED TO FRAMES ALREADY IN PLACE.

PRICE ONE UNIT COMPLETE \$ EACH. ANCHORS ONLY \$ EACH REPRESENTED BY:

PENN. DEPT. OF
LABOR AND INDUSTRY
APPROVAL CERTIFICATE #992

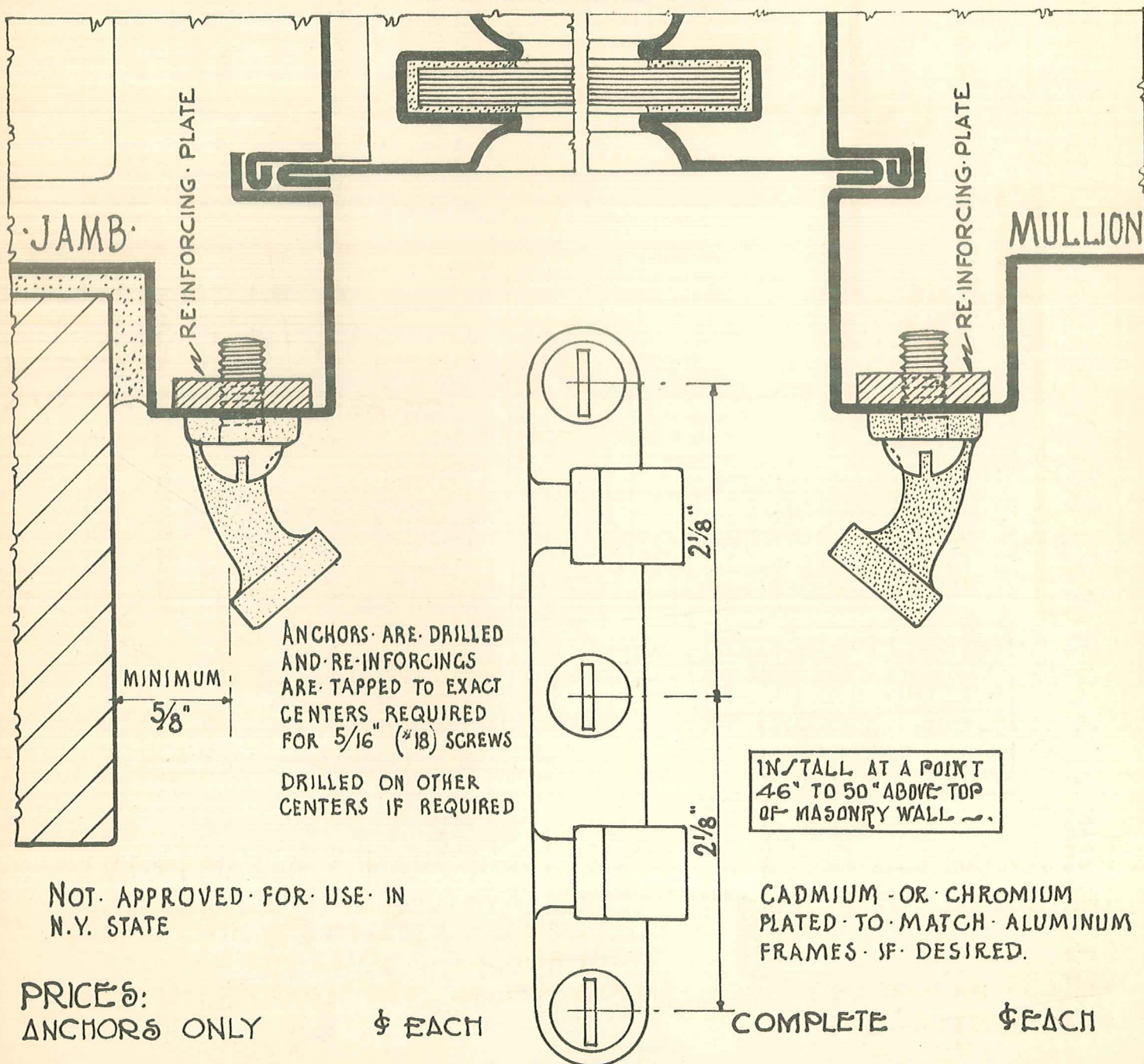
N. Y. STATE
DEPT. OF LABOR
APP. No 2031

ACKER & MAN: N° 12 A: FORGED: DOUBLE-HEAD: WINDOW: CLEANERS: SAFETY: ANCHOR

for metal windows of the Campbell,
Pomeroy, Truscon and similar type.

MADE OF BRASS, BRONZE, AND OTHER APPROVED ALLOYS
THESE ANCHORS ALSO MADE WITH SINGLE HEAD.

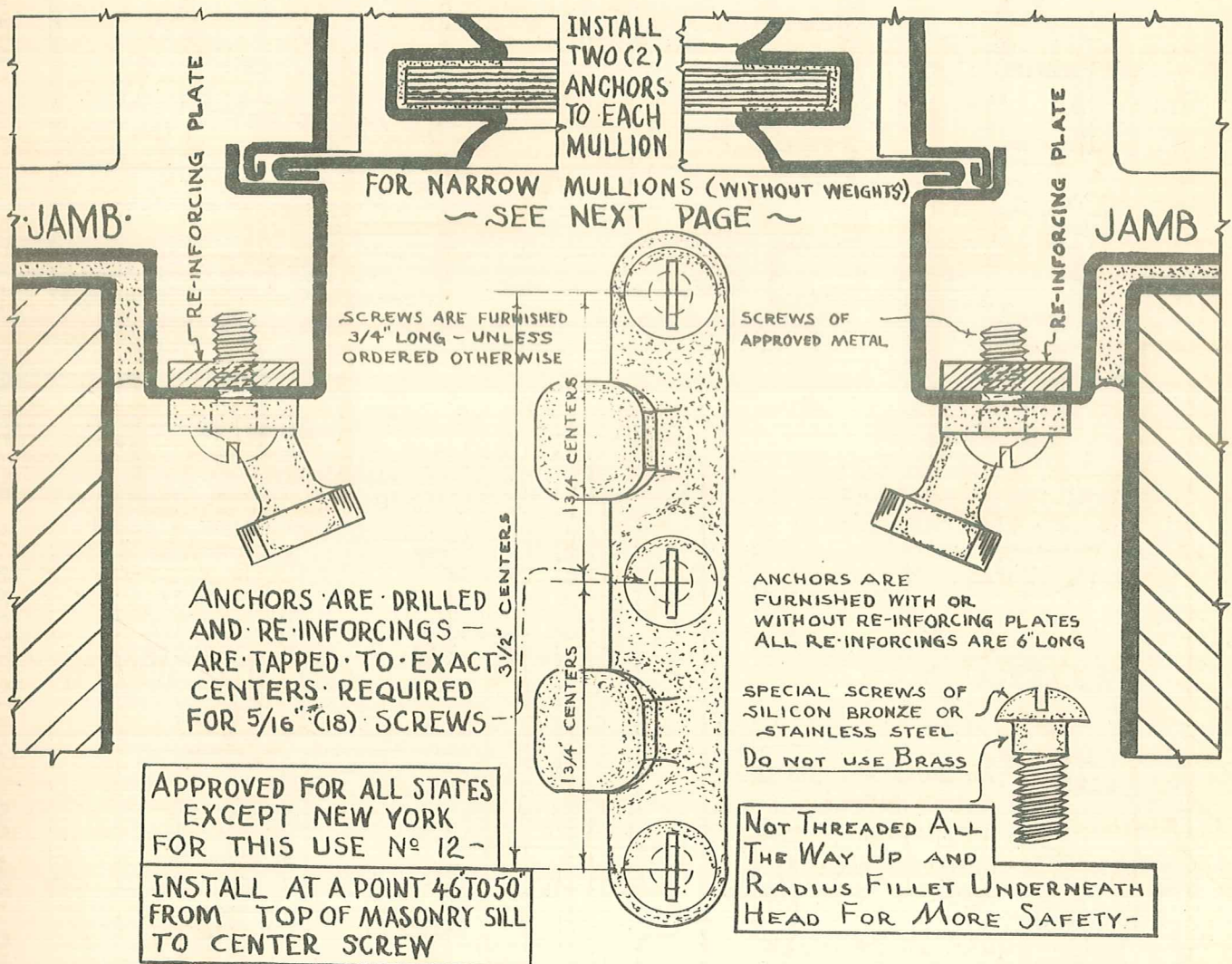
ALL RE-INFORCINGS ARE 6" LONG.



THESE ANCHORS CAN BE EASILY ATTACHED TO FRAMES ALREADY IN PLACE.

REPRESENTED BY:

ACKER & MAN · N° 12B · WINDOW · CLEANERS · SAFETY · ANCHOR
 Double-Head Type · for · Metal · Windows · of · the -
 Campbell, Pomeroy & similar types
 MADE OF FORGED BRONZE AND OTHER APPROVED ALLOYS



THIS ANCHOR CAN BE EASILY ATTACHED TO FRAMES ALREADY IN PLACE
 INSTRUCTION FOR ORDERING :- STATE IF YOU REQUIRE (1) Anchors only
 (2) Anchors and Screws (3) Anchors complete with Re-inforcing plates and Screws

PRICES: ANCHORS ONLY ¢EA. - ANCHORS & SCREWS ¢EA - COMPLETE UNIT ¢EA.
 REPRESENTED BY:

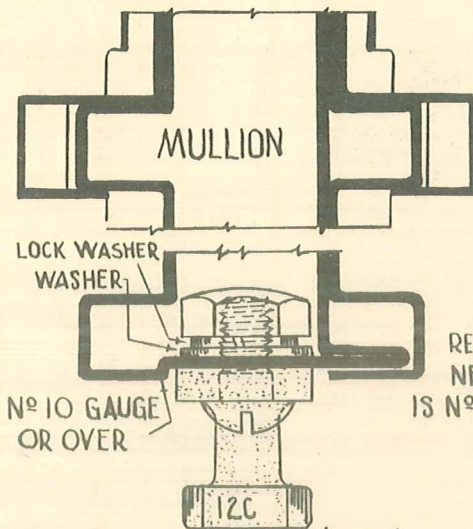
ACKER & MAN N° 12 C & 12 S WINDOW CLEANERS' SAFETY ANCHORS

Double-Head Types for Narrow Metal Mullions

Where there are No Weights

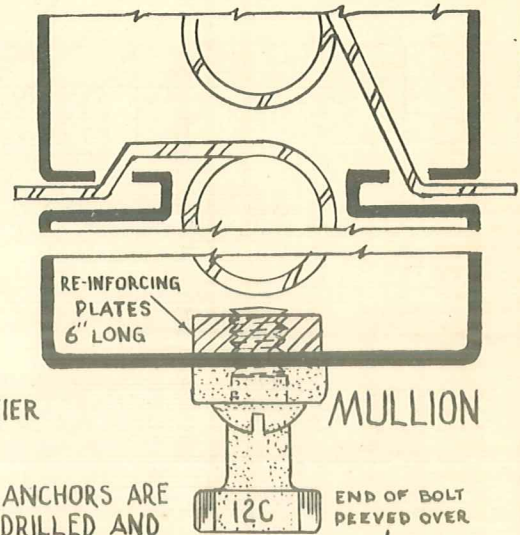
MADE OF FORGED BRONZE AND OTHER APPROVED ALLOYS

SCREWS ARE OF SILICON BRONZE OR STAINLESS STEEL - DO NOT USE BRASS

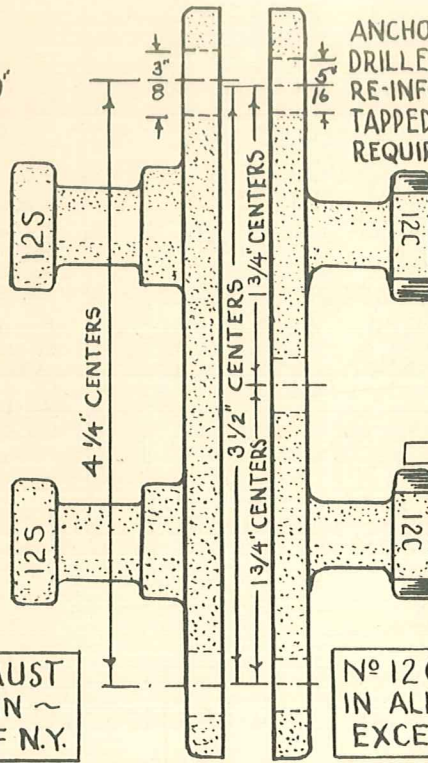
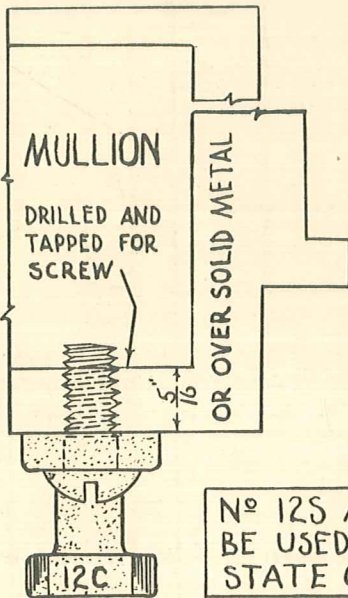


ANCHORS CAN BE TAPPED INTO CAST IRON OR HEAVY STEEL MULLION, WHERE METAL IS $\sim 5/16"$ OR OVER IN THICKNESS

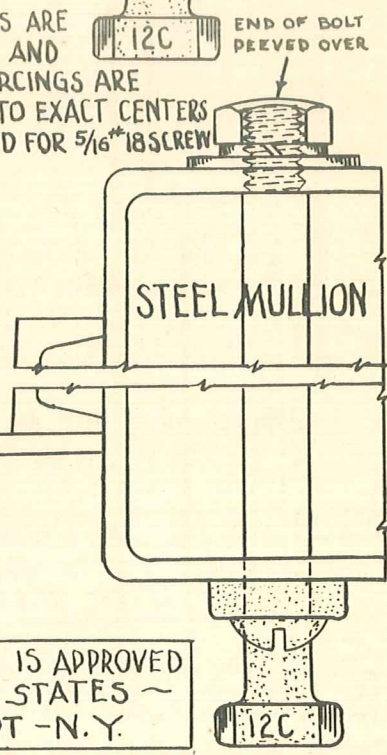
REINFORCING PLATE NOT NEEDED WHERE METAL IS N° 10 GAUGE OR HEAVIER



INSTALL AT A POINT $46"$ TO $50"$ FROM TOP OF MASONRY SILL TO CENTER SCREW



ANCHORS ARE DRILLED AND RE-INFORCINGS ARE TAPPED TO EXACT CENTERS REQUIRED FOR $5/16"$ 18 SCREW



N° 12S MUST BE USED IN ~ STATE OF N.Y.

N° 12C IS APPROVED IN ALL STATES ~ EXCEPT - N.Y.

SCREWS ARE OF SILICON BRONZE OR STAINLESS STEEL - DO NOT USE BRASS

THESE ANCHORS CAN BE EASILY ATTACHED TO FRAMES ALREADY IN PLACE

INSTRUCTIONS FOR ORDERING:- STATE IF YOU REQUIRE (1) Anchors Only (2) Anchors and Screws (3) Anchors Complete with Re-inforcing plates and Screws

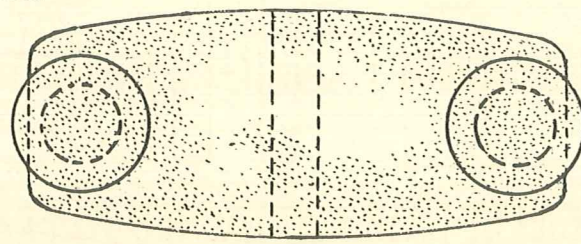
ACKER & MAN: N° 14: FORGED: BRONZE: WINDOW: CLEANERS: SAFETY: ANCHOR
 Double head type for installing in Masonry Jamb.
 MADE IN BRONZE, AND OTHER APPROVED ALLOYS.

NOT LESS THAN 3/4"

ACKER & MAN
 No 14

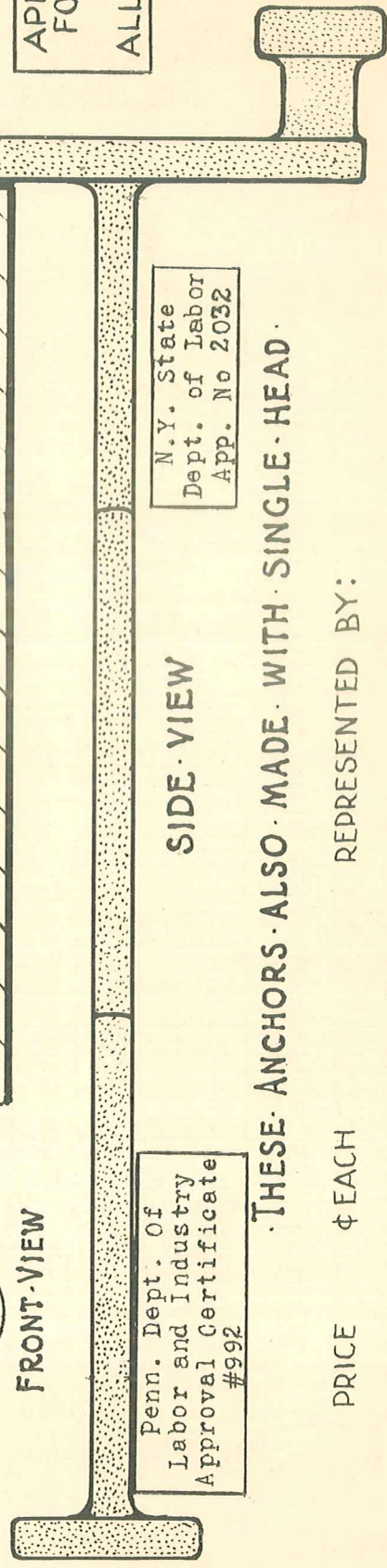
SET ANCHOR IN JOINTS OF REVEALS AT A POINT
 BETWEEN 46" TO 51" ABOVE TOP OF SILL.

FRONT-VIEW



Penn. Dept. Of
 Labor and Industry
 Approval Certificate
 #992

SIDE-VIEW



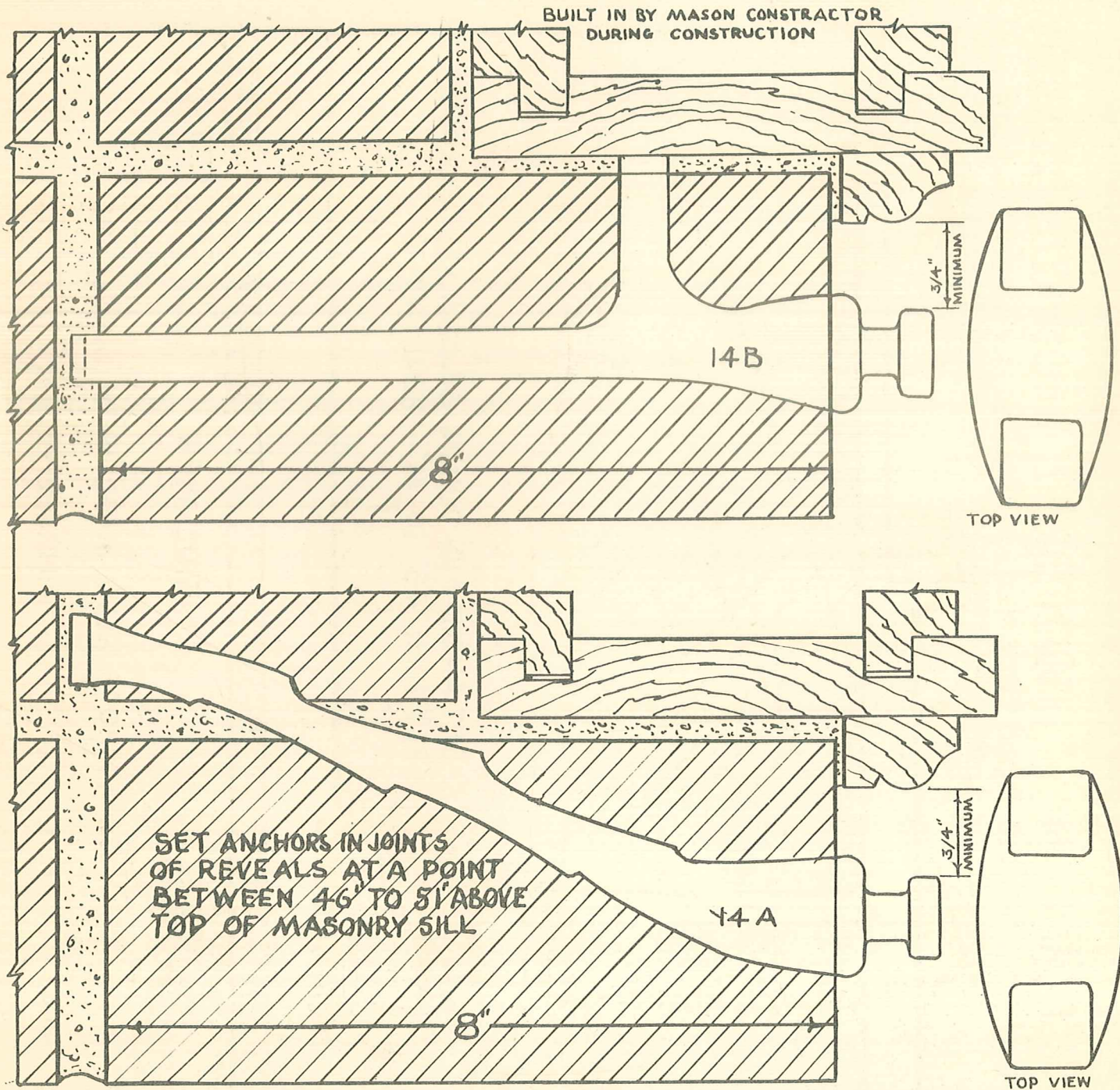
APPROVED
 FOR USE
 IN
 ALL STATES

N.Y. State
 Dept. of Labor
 App. No 2032

THESE ANCHORS ALSO MADE WITH SINGLE HEAD.

PRICE ¢ EACH REPRESENTED BY:

ACKER & MAN N°14A AND N°14B CAST BRONZE WINDOW CLEANERS' SAFETY ANCHORS DOUBLE HEAD OR 4BOLT SYSTEM TYPE FOR INSTALLING IN MASONRY



NOT APPROVED IN STATES OF NEW YORK · PENN. & WISCONSIN
 FOR THESE USE N°14 - FORGED BRONZE

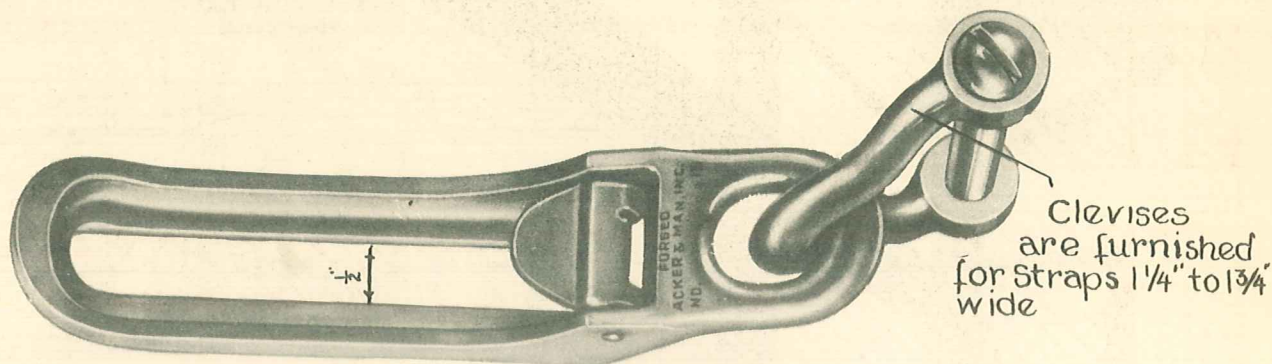
PRICE ¢ EACH

REPRESENTED BY:

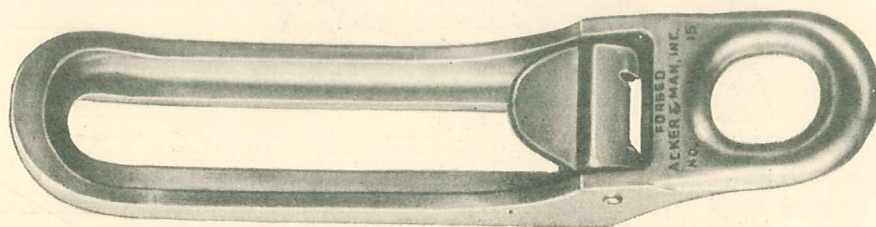
ACKER & MAN WINDOW CLEANERS' BELT TERMINALS

MADE OF FORGED BRONZE

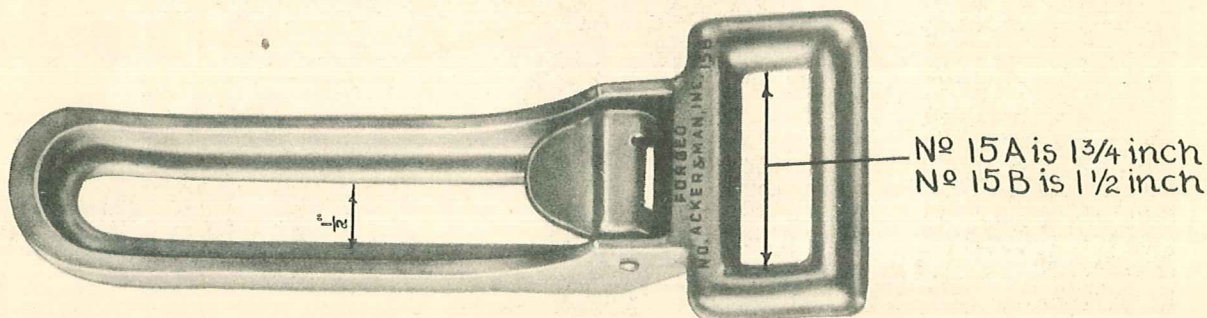
STANDARD & APPROVED



For use on all Single and Double-Head type Anchors that are of Standard type and dimension



Can be furnished with Slots $\frac{5}{16}$, $\frac{3}{8}$ or $\frac{9}{16}$ inch wide



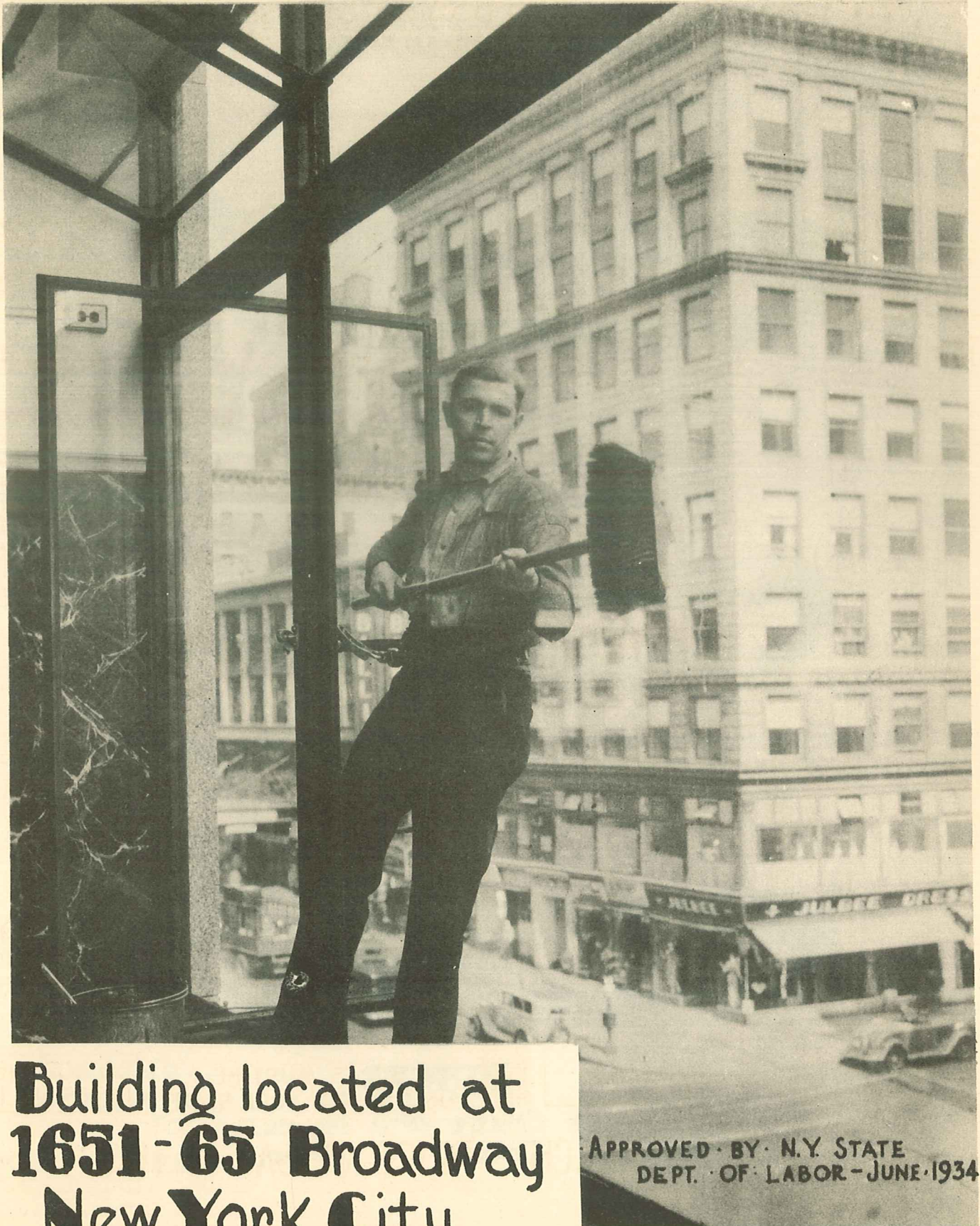
PRICES

TERMINALS ONLY $\frac{1}{2}$
CLEVIS ONLY

ea.
ea.

CLEANING WIDE STATIONARY WINDOWS

WHERE DISTANCE BETWEEN MULLIONS IS OVER 6FT., TWO (2) ANCHORS ARE INSTALLED TO A MULLION. ONE (1) INSIDE AND ONE (1) OUTSIDE. *NOTE* HOW BOTH ENDS OF BELT ARE ATTACHED.



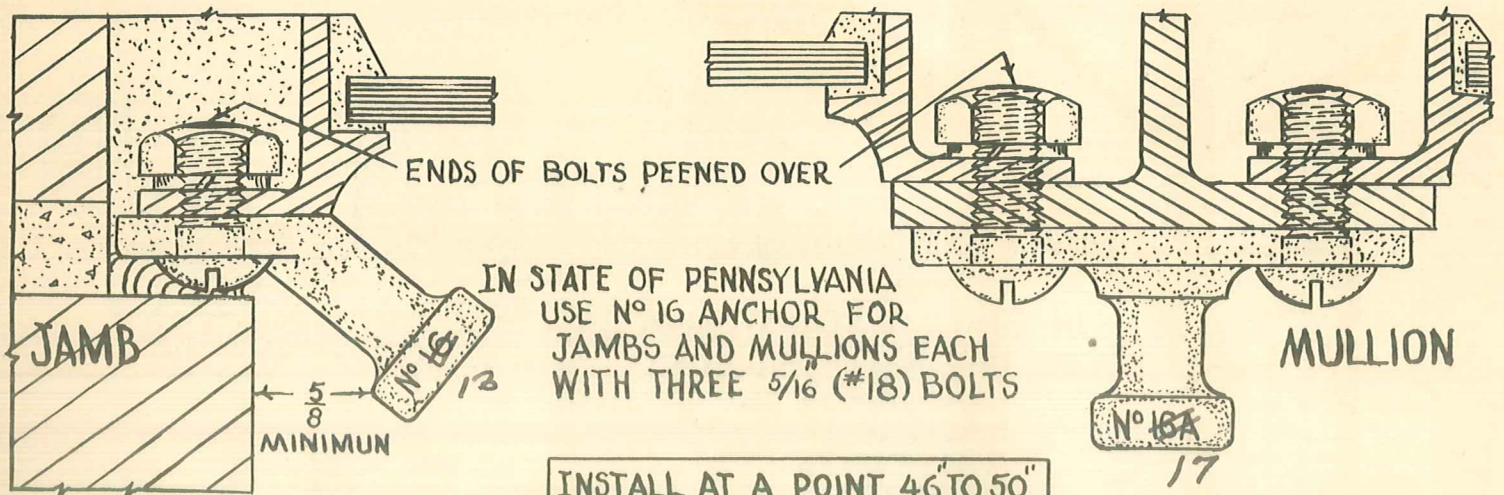
Building located at
1651-65 Broadway
New York City

APPROVED BY N.Y. STATE
DEPT. OF LABOR - JUNE 1934

NEW NO. 13+17

ACKER & MAN NO. 16 & 16A WINDOW CLEANERS' SAFETY ANCHORS

Double head type for Steel Sash windows of the Fenestra, Truscon, Wm. Bayley and similar type
MADE OF FORGED BRONZE AND OTHER APPROVED ALLOYS



INSTALL AT A POINT 46" TO 50"
ABOVE TOP OF MASONRY SILL

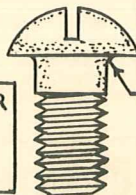
THESE ANCHORS CAN BE USED ON
CASEMENT SASH OR CAST IRON MULLIONS

THESE ANCHOR ARE
APPROVED IN ALL STATES
IN PENN. THREE (3) BOLTS
PER ANCHOR MUST BE USED

ALSO ON 1 3/4" CENTERS
FOR (3) 5/16" BOLTS

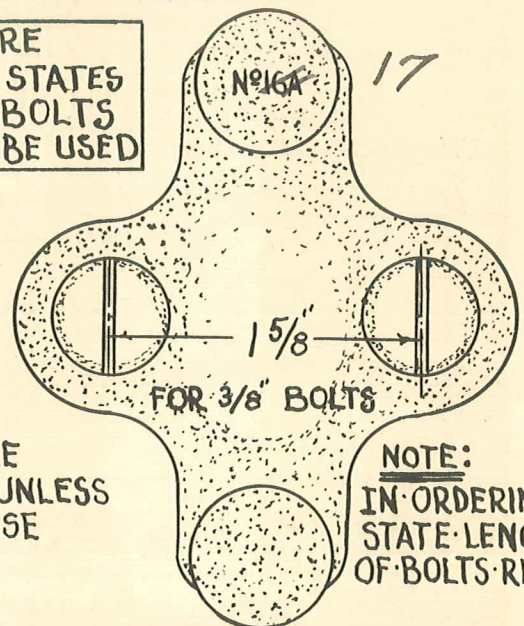
SILICON BRONZE
BOLTS FURNISHED ARE
3/8" X 3/4" ROUND HEAD, UNLESS
ORDERED OTHERWISE

PENN. DEPT. OF LABOR
AND INDUSTRY
APP. CERTIFICATE
992



3/8" BOLTS MUST BE
USED IN NEW YORK STATE

DO NOT USE
BRASS BOLTS



NOTE:
IN ORDERING
STATE LENGTH
OF BOLTS REQUIRED

PRICE NO. 13
REPRESENTED BY:

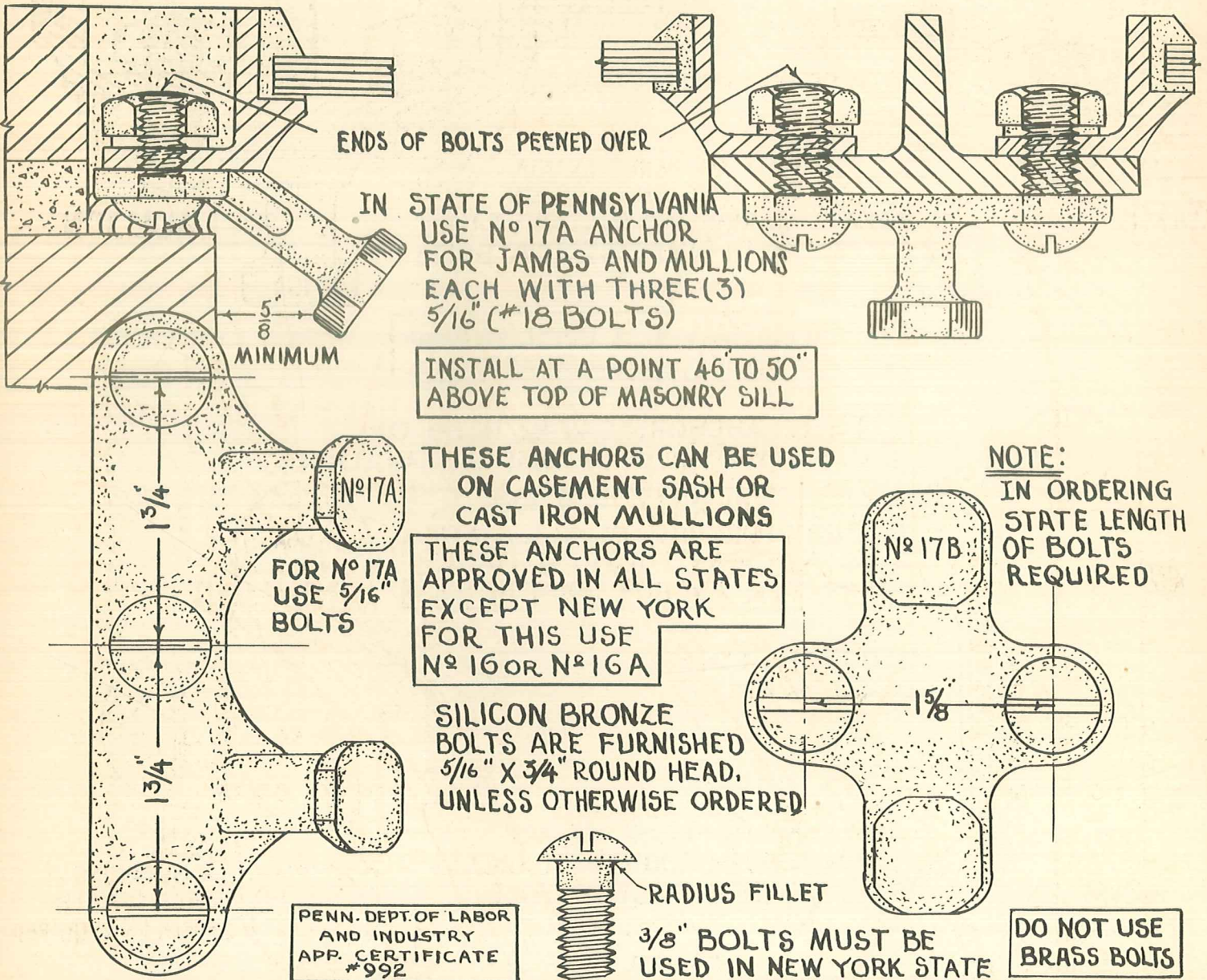
4 EACH

PRICE NO. 16A

4 EACH

ACKER & MAN N° 17A & 17B WINDOW CLEANERS' SAFETY ANCHORS

Double head type for Steel Sash windows of the Fenestra, Truscon, Wm. Bayley and similar type
MADE OF FORGED BRONZE AND OTHER APPROVED ALLOYS



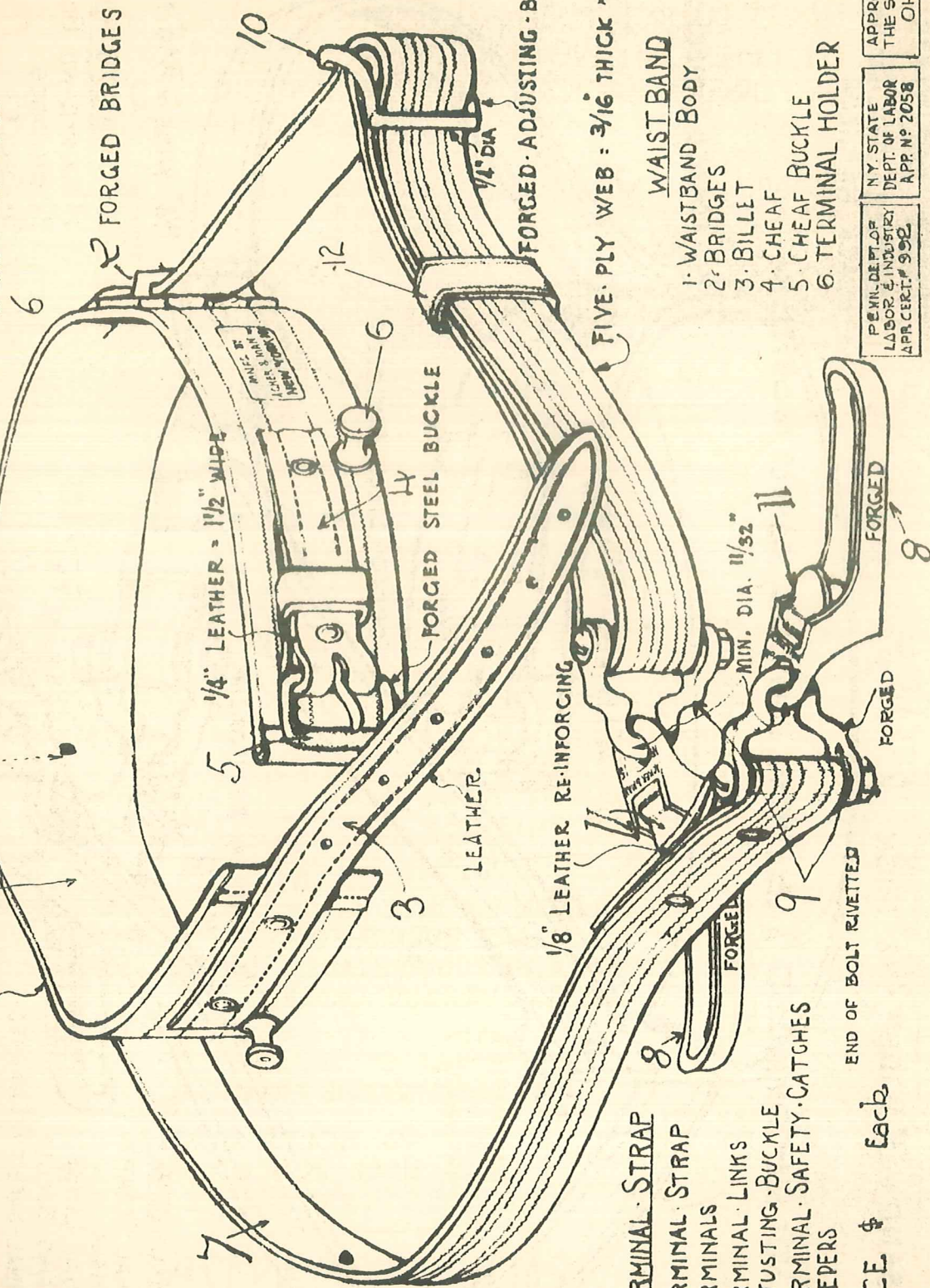
PRICE N° 17A EACH : PRICE N° 17B EACH
REPRESENTED BY :

30

ACKER & MAN - N° 8 WEB BELT

WAIST BAND = FOUR PLY
WEB = 3" WIDE x 5/32" THICK

RIVETS ARE N° 8 - COPPER
STITCHING = N° 6 IRISH LINEN
THREAD = HOT WAXED.
LEATHER = OAK TANNED
BLACK HARNESS



SHEET N° 14

FIVE-PLY WEB = 3/16" THICK x 1 3/4"

WAIST BAND

1. WAISTBAND BODY
2. BRIDGES
3. BILLET
4. CHEAF
5. CHEAF BUCKLE
6. TERMINAL HOLDER

TERMINAL STRAP

7. TERMINAL STRAP
8. TERMINALS
9. TERMINAL LINKS
10. ADJUSTING BUCKLE
11. TERMINAL SAFETY CATCHES
12. KEEPERS

PRICE \$ Each

PENN. DEPT. OF
LABOR & INDUSTRY
APR. CERT. # 902

N.Y. STATE
DEPT. OF LABOR
APR. N° 2058

APPROVED IN
THE STATE OF
OHIO

IMPORTANT - WHEN ORDERING, ALWAYS STATE DISTANCE BETWEEN ANCHORS
ON WIDEST WINDOWS OF BUILDING, WHEN BELT IS TO BE USED.

32 No 19 LEATHER BELT.

RIVETS ARE - N° 8 - COPPER
STITCHING - N° 6 IRISH LINEN
THREAD - HOT WAXED.

LEATHER - OAK TANNED
BLACK HARNESS

WAIST BAND - 3" WIDE - $\frac{7}{32}$ " THICK 2

WE DO NOT RECOMMEND A LEATHER WAISTBAND; CANVAS IS BETTER

FORGED BRIDGES

$\frac{1}{4}$ " LEATHER - $\frac{1}{2}$ " WIDE

FORGED STEEL BUCKLES

$\frac{1}{8}$ " LEATHER RE-INFORCING

MIN. DIA. $\frac{11}{32}$ "

$\frac{1}{4}$ " WIDE x $\frac{5}{16}$ " THICK

TERMINAL STRAP
7- TERMINAL STRAP
8- TERMINALS
9- TERMINAL LINKS
10- ADJUSTING BUCKLE
11- TERMINAL SAFETY CATCHES

WAISTBAND

- 1- WAISTBAND BODY
- 2- BRIDGES
- 3- BILLET
- 4- CHEAF
- 5- CHEAF BUCKLE

END OF BOLT RIVETTED

PRICE \$ Each

SHEET No 15

PENN. DEPT. OF
LABOR & INDUSTRY
APP. CERT. # 992

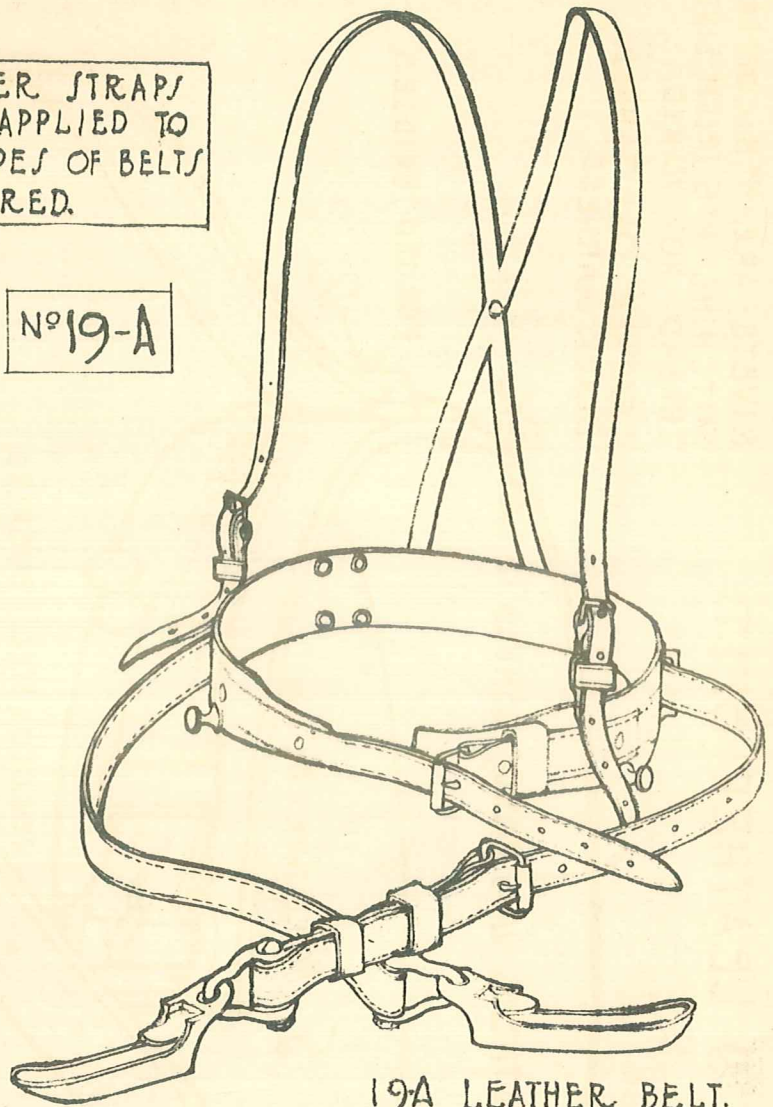
N.Y. STATE
DEPT. OF LABOR
APP. No 2059

APPROVED IN
THE STATE OF
OHIO

ACKER & MAN · WINDOW · CLEANERS · SAFETY BELTS WITH · DOUBLE · SHOULDER STRAPS

SHOULDER STRAPS
CAN BE APPLIED TO
ALL TYPES OF BELTS
IF DESIRED.

Nº 19-A

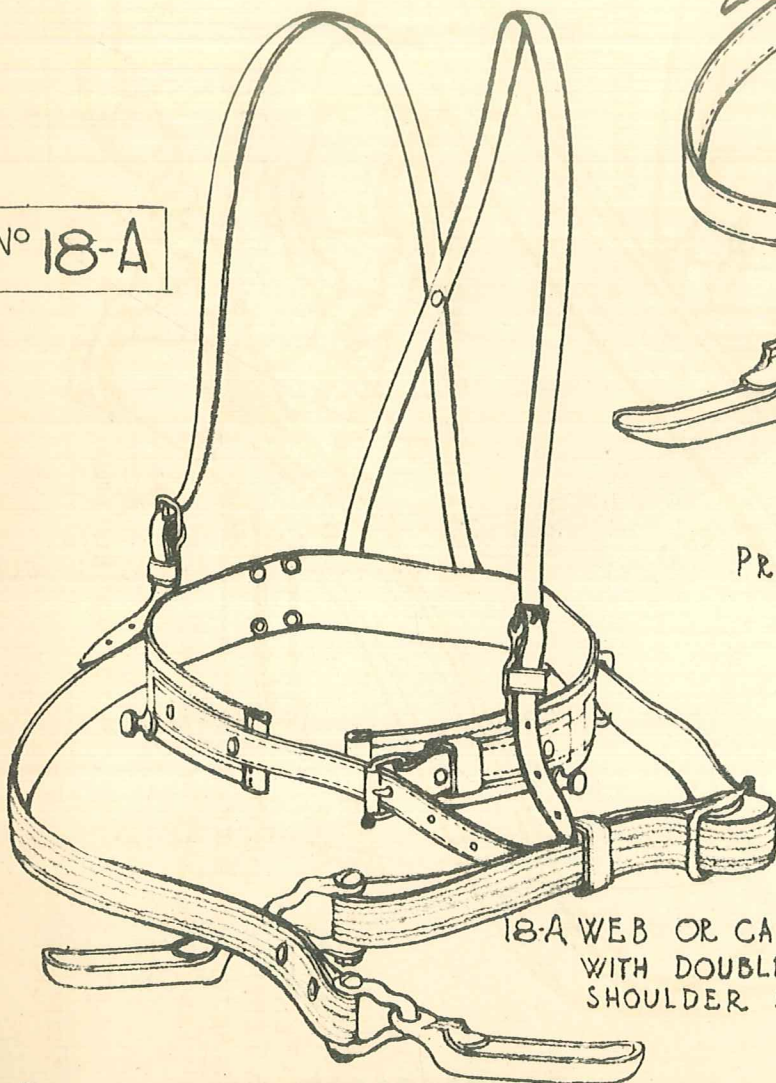


19A LEATHER BELT.
WITH DOUBLE
SHOULDER STRAPS.

PRICE = LEATHER BELT - WITH DOUBLE SHOULDER STRAPS .\$. .

IN ORDERING, STATE DISTANCE
BETWEEN ANCHORS ON
WIDEST WINDOW, AND IF
SINGLE OR DOUBLE HEAD.

Nº 18-A



18-A WEB OR CANVAS BELT
WITH DOUBLE
SHOULDER STRAPS.

PRICE = CANVAS BELT - WITH DOUBLE SHOULDER STRAPS .\$. .

REPRESENTED BY :

ACKER & MAN

N°20 WINDOW-CLEANERS-BELT

TERMINAL STRAP IS OF FABRIC IMPREGUATED WITH GUM

WAIST BAND

1. WAIST-BAND-BODY
2. BRIDGES
3. BILLET
4. CHEAF
5. CHEAF BUCKLE

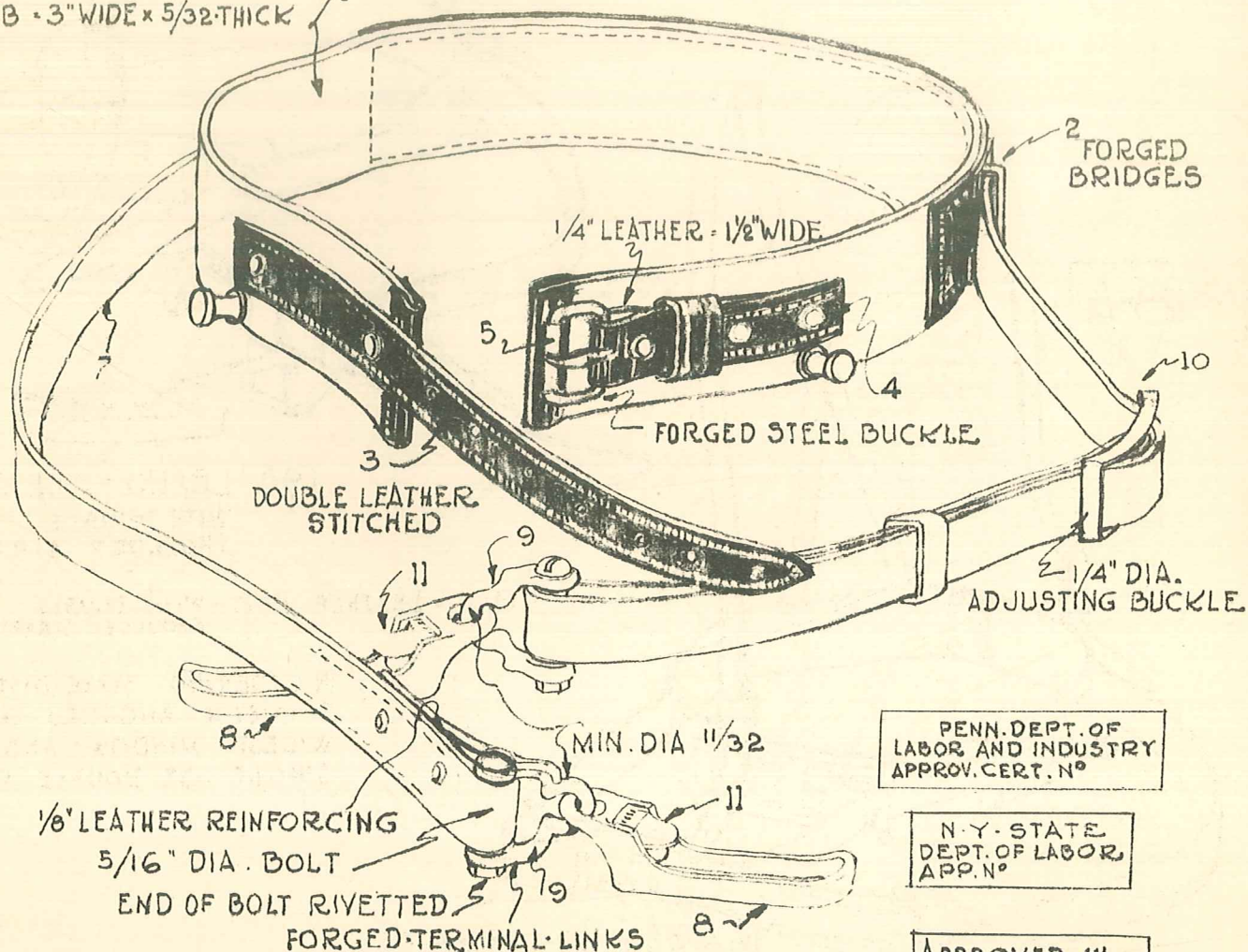
TERMINAL STRAP

7. TERMINAL STRAP
8. TERMINALS
9. TERMINAL LINKS
10. ADJUSTING BUCKLE
11. TERMINAL-SAFETY-CATCHES

RIVETS-ARE N°8-COPPER
STITCHING-N°6 IRISH LINEN
THREAD-HOT WAXED

LEATHER-OAK TANNED
BLACK HARNESS

WAIST-BAND-FOUR PLY
WEB-3" WIDE x 5/32" THICK



PENN. DEPT. OF
LABOR AND INDUSTRY
APPROV. CERT. N°

N.Y. STATE
DEPT. OF LABOR
APP. N°

APPROVED IN
STATE OF OHIO

PRICE EACH :

REPRESENTED BY :

ACKER & MAN

Nº 20-A WINDOW CLEANER'S BELT

TERMINAL STRAP IS OF 2-PLY LEATHER STITCHED & RIVETED

WAIST BAND

1. WAIST BAND BODY
2. BRIDGES
3. BILLET
4. CHEAF
5. CHEAF BUCKLE
6. TERMINAL HOLDERS

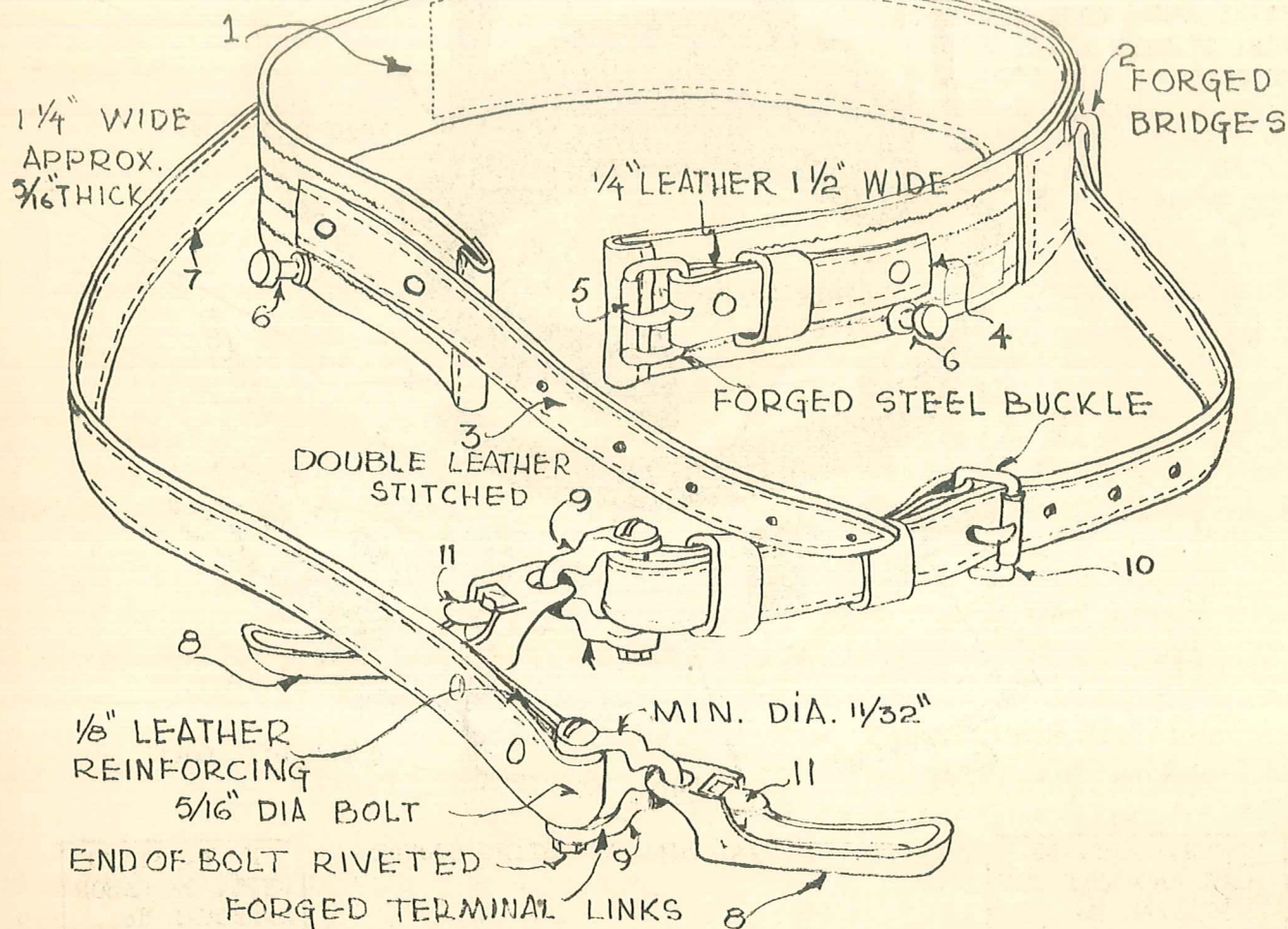
TERMINAL STRAP

7. TERMINAL STRAP
8. TERMINALS
9. TERMINAL LINKS
10. ADJUSTING BUCKLE
11. TERMINAL SAFETY CATCHES

RIVETS ARE Nº 8 COPPER
STITCHING; Nº 6 IRISH LINEN
THREAD, HOT WAXED.

LEATHER: OAK TANNED
BLACK HARNESS

WAIST BAND FOUR PLY
WEB 3" WIDE x $\frac{5}{32}$ " THICK



PRICE EACH: \$

REPRESENTED BY:

38

ACKER & MAN No. 21 WINDOW CLEANERS' BELT

TERMINAL STRAP OF DOUBLE-LINEN STITCHED ~

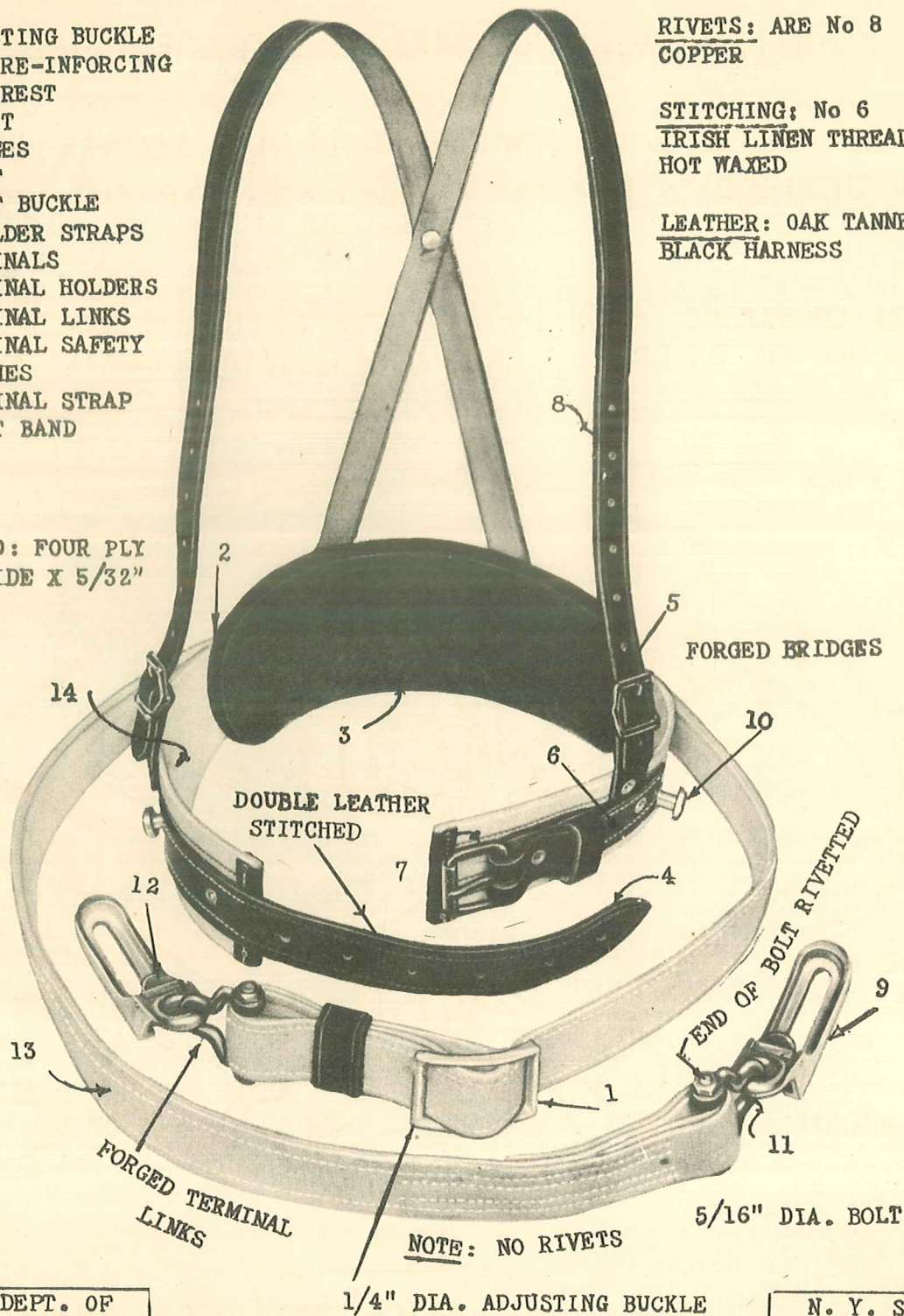
1. ADJUSTING BUCKLE
2. BACK RE-INFORCING
3. BACK REST
4. BILLET
5. BRIDGES
6. CHEAF
7. CHEAF BUCKLE
8. SHOULDER STRAPS
9. TERMINALS
10. TERMINAL HOLDERS
11. TERMINAL LINKS
12. TERMINAL SAFETY CATCHES
13. TERMINAL STRAP
14. WAIST BAND

RIVETS: ARE No 8
COPPER

STITCHING: No 6
IRISH LINEN THREAD
HOT WAXED

LEATHER: OAK TANNED
BLACK HARNESS

WAIST BAND: FOUR PLY
WEB: 3" WIDE X 5/32"
THICK.



PENN. DEPT. OF
LABOR AND INDUSTRY
APPROVAL No

NOTE: NO RIVETS
1/4" DIA. ADJUSTING BUCKLE

N. Y. STATE
DEPT. OF LABOR
APPROVAL No

PRICE

¢ EACH

REPRESENTED BY:

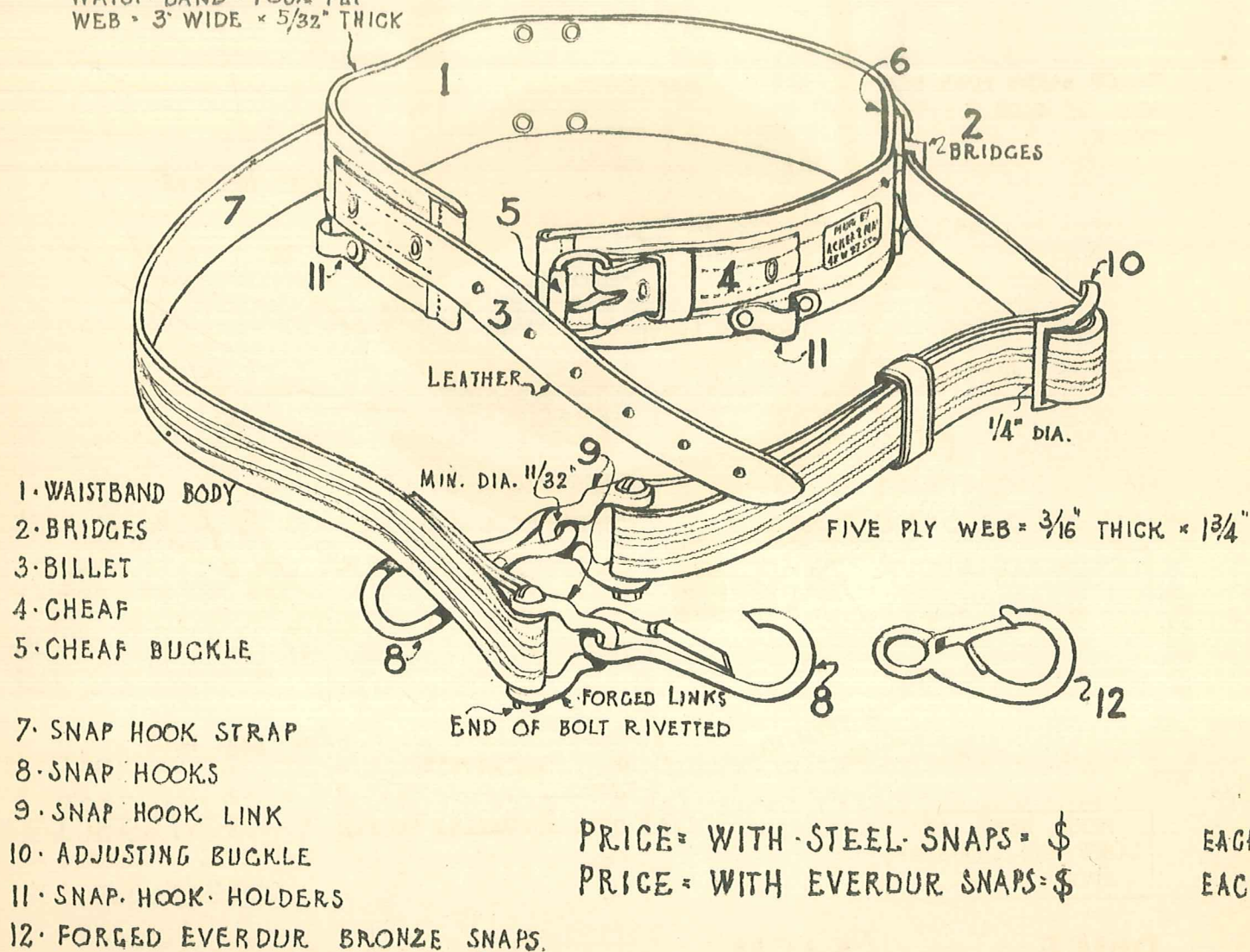
ACKER & MAN. N°22. WINDOW CLEANERS SAFETY BELT. FOR BUILDINGS EQUIPPED WITH EYE BOLTS ALSO ADAPTABLE FOR MANY OTHER USES.

SNAP HOOKS AND LINKS ARE FORGED STEEL.

FURNISHED WITH FORGED EVERDUR BRONZE SNAPS (12)
IF DESIRED = THESE ARE ADAPTABLE FOR SMALL SIZE EYE BOLTS.

WHEN ORDERING, GIVE DISTANCE BETWEEN EYE BOLTS ON WIDEST
WINDOWS OF BUILDING, AND APPROXIMATE WAIST MEASUREMENT
OF WEARER.

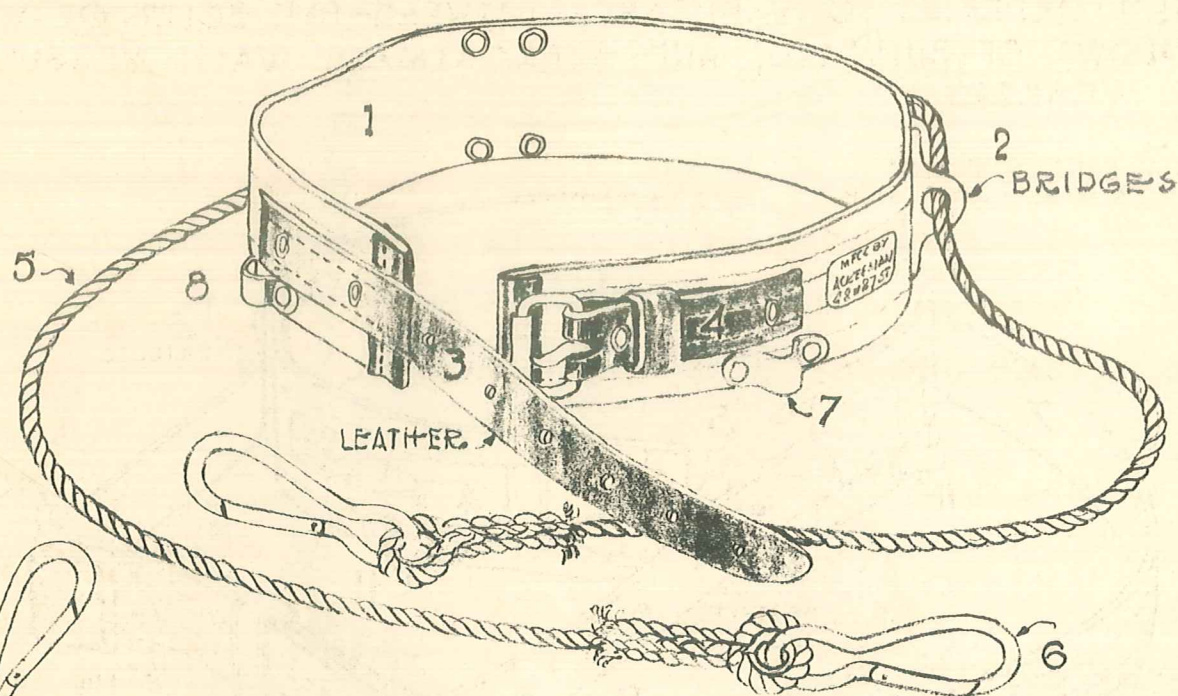
WAIST BAND = FOUR PLY
WEB = 3" WIDE x $\frac{5}{32}$ " THICK



REPRESENTED BY:

ACKER & MAN N°23 WINDOW-CLEANERS-SAFETY-BELT FOR-BUILDINGS-EQUIPPED-WITH-EYE-BOLTS ALSO-ADAPTABLE-FOR-MANY-OTHER-USES.

SNAP-HOOKS-ARE-FORGED-STEEL
SNAP-HOOK LEAD (7) FURNISHED WITH ROPE OR CABLE
STATE WHICH AND LENGTH REQUIRED WHEN ORDERING
ALSO WAISTBAND BODY SIZE



1-WAISTBAND BODY
2-BRIDGES
3-BILLET
4-CHAF-

5-SNAP HOOK LEAD
6-SNAP HOOKS
7-SNAP HOOK HOLDERS

PRICE-WITH-7 FEET-ROPE-LEAD \$
PRICE-WITH-7 FEET-CABLE-LEAD \$

EACH - LONGER
EACH - LONGER

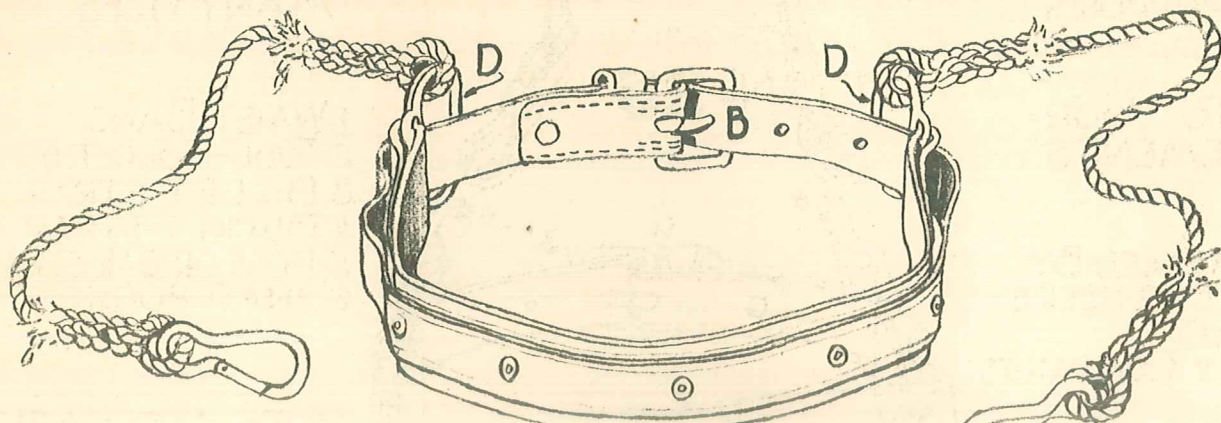
\$ PER FOOT
\$ PER FOOT

REPRESENTED BY :

ACKER & MAN N° 24 & 24 A SAFETY BELT

ADAPTABLE TO MANY USES ~

WAIST-BAND (A) IN LEATHER OR CANVAS - STATE WHICH REQUIRED.
SNAP-HOOKS AND HARDWARE ARE FORGED-STEEL CADMIUM PLATED. ~



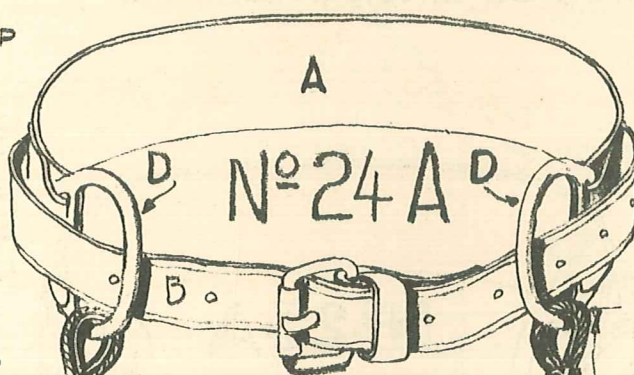
N° 24

LEADS ARE FURNISHED IN EITHER $\frac{5}{8}$ " DIAMETER -
BOAT-ROPE OR $\frac{5}{16}$ " DIAMETER FLEXIBLE STEEL TILLER
CABLE. BRONZE CABLE IS NOT SATISFACTORY.



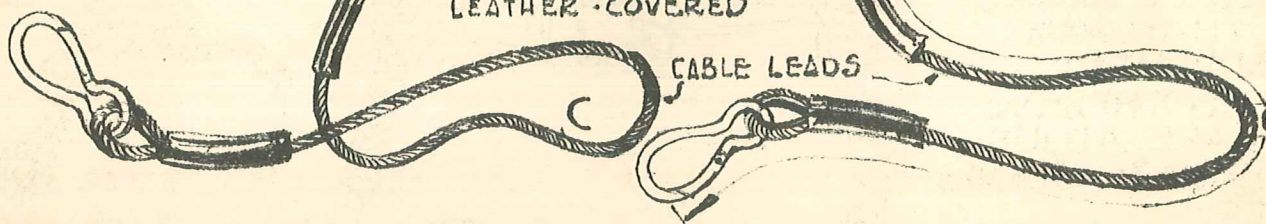
ADJUSTING CLAMP

CABLE FURNISHED AS ABOVE
PERMITS ADJUSTING TO
NECESSARY LENGTH ~
NOT CONVENIENT FOR
SHORT LEADS ~



CABLE SPLICES ARE
LEATHER-COVERED

Rope Fur-
nished as
Above Per-
mits Ad-
justing to
Necessary
Lengths--
Not Con-
venient
for Short
Lengths



IN ORDERING : STATE OVERALL LENGTHS OF LEADS (C) REQUIRED AND OTHER
NECESSARY INFORMATION.

PRICE : WITH 3 FEET LONG CABLE LEADS	\$	EACH - LONGER	\$ PER FOOT
" " " " ROPE	\$	EACH - LONGER	\$ PER FOOT

REPRESENTED BY :

ACKER & MAN SAFETY BELTS

FOR LINEMAN · CONSTRUCTION · WORKERS · TREE · PRUNERS

SAFETY BELTS
FOR
ALL PURPOSES

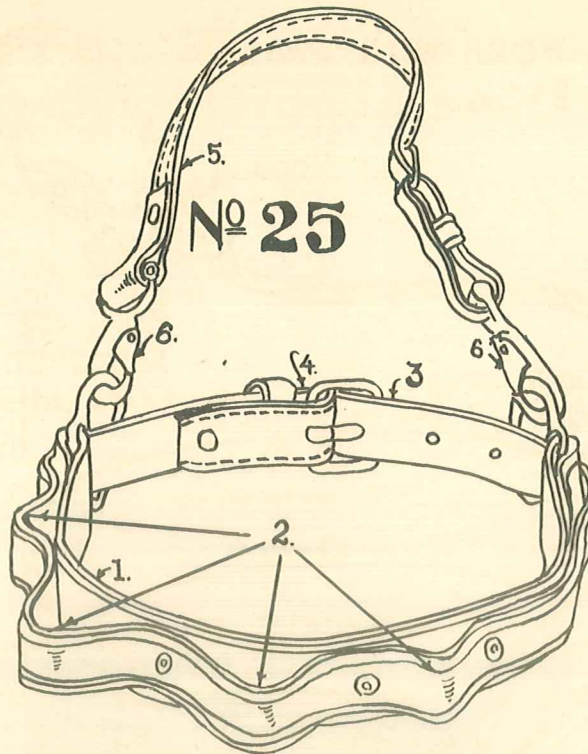
MADE TO YOUR
REQUIREMENTS

RECOMMENDED BY
SAFETY ENGINEERS
AND
LIABILITY COMPANIES

IN ORDERING
SPECIAL BELTS
SEND US
PARTICULARS;
PREFERABLY
A ROUGH SKETCH.

IMPORTANT
WHEN ORDERING
STATE · WAIST · SIZE
REQUIRED. GIVE
ONLY · SMALLEST
SIZE; WHICH
SHOULD · BE · 2 INCHES
LESS · THAN · WAIST
MEASUREMENT
WITH · CLOTHES · ON.
BELTS · ARE · ADJUST-
TABLE · UP TO 8 INCHES
LONGER.

PRICES - N^o 25
WAIST BAND: \$ —
POLE STRAP: \$ —



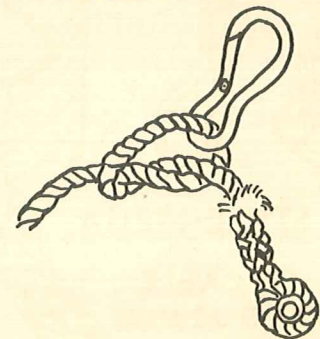
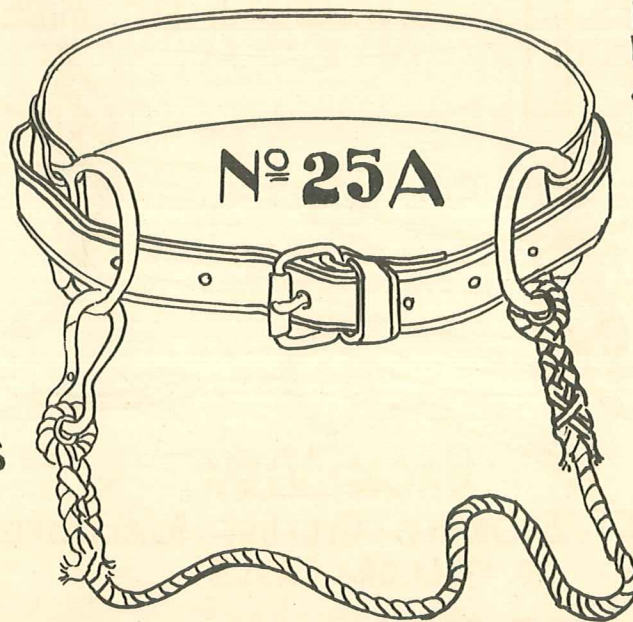
ALL LEATHER BELTS
WAIST · BAND · FURNISHED · IN
WEB · OR · LINEN · IF · DESIRED.

ADAPTABLE
FOR
MANY USES

1. WAIST · BAND
2. TOOL · HOLDERS
3. BILLET · STRAP
4. BUCKLE · STRAP
5. POLE · OR · BAR · STRAP
6. SNAP · HOOKS

ROPE AND CABLE
FURNISHED
ANY LENGTH
DESIRED
WAIST BAND IS
FURNISHED IN WEB
OR LEATHER
STATE WHICH
WHEN ORDERING

ROPE OR CABLE
FURNISHED AS
BELOW PERMITS
ADJUSTING TO
NECESSARY LENGTH



REPRESENTED BY:

PRICES : N^o 25A
WAIST BAND: \$ —
POLE STRAP: \$ —

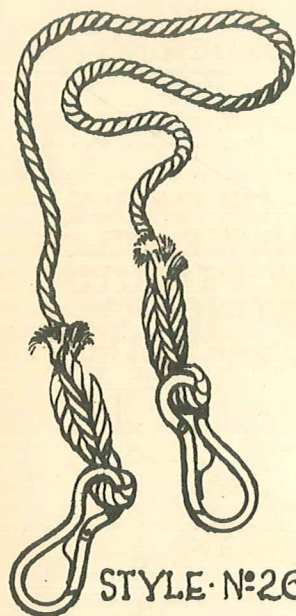
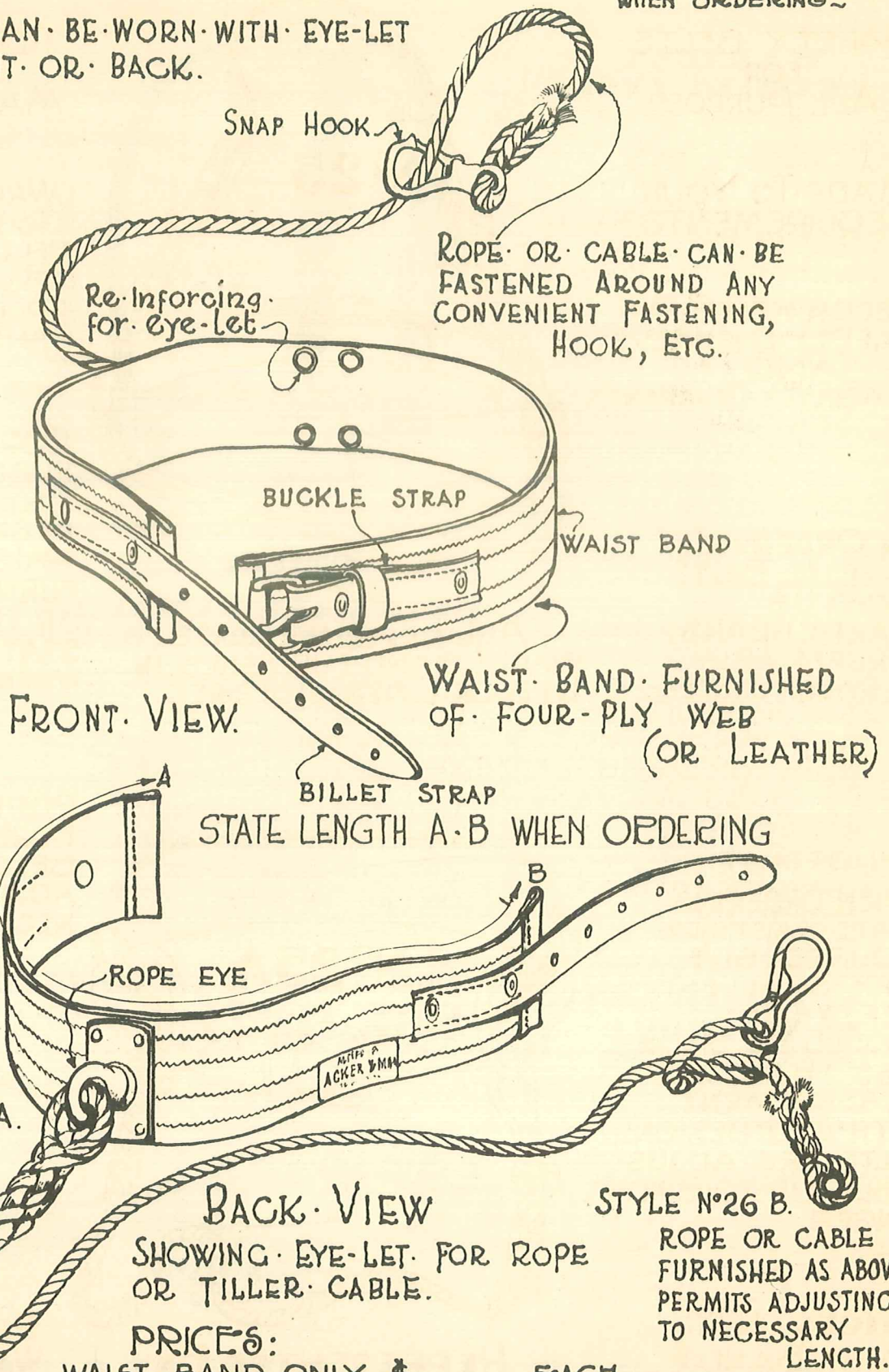
ACKER & MAN · N°26 · GENERAL · UTILITY SAFETY · BELT.

FURNISHED WITH ROPE OR TILLER · CABLE
STATE WHICH & LENGTH REQUIRED
WHEN ORDERING.

BELT · CAN · BE · WORN · WITH · EYE · LET
IN · FRONT · OR · BACK.

SAFETY BELTS
FOR · EVERY
PURPOSE.

RECOMMENDED
BY INSURANCE
LIABILITY
COMPANIES
AND SAFETY
ENGINEERS.



ROPE OR CABLE
FURNISHED AS ABOVE
PERMITS FOR
RELEASING FROM
WAISTBAND
WHEN NOT
USING.

PRICES:
WAIST · BAND ONLY \$ EACH
BELT COMPLETE - 6 FEET ROPE \$ EACH

STYLE N°26 B.
ROPE OR CABLE
FURNISHED AS ABOVE
PERMITS ADJUSTING
TO NECESSARY
LENGTH.

EACH -

ACKER & MAN · N°27 · SAFETY · BELT MADE · OF · LINEN · WEB · AND · MANILA · ROPE

HARNESS LEATHER TYPE

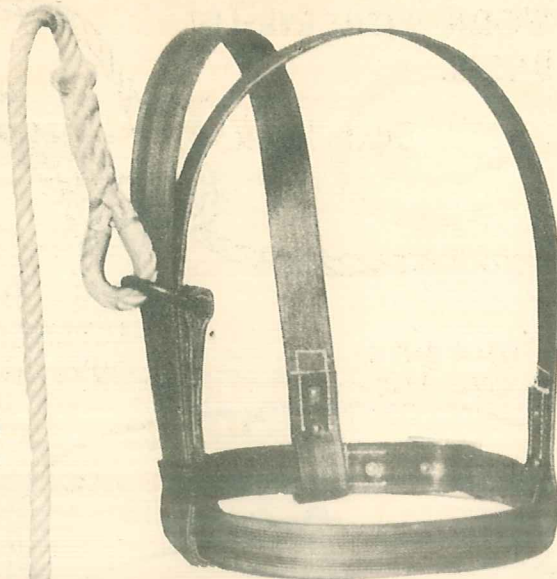
Made of best quality black harness leather and tested hardware with manila rope

In case of a slip, - fall, or a collapse, the belt grips the wearer around the chest ---not under the arms---and holds him in an upright position to be pulled through opening.

It's light, flexible and strong. Permits easy raising and lowering of workman into tanks, manholes, and confined places, especially in small openings; permits entire freedom of movement

**FURNISHED WITH
OR WITHOUT
MANILA ROPE**

REPRESENTED BY:



The linen parachute webbing is 1 3/4 inch wide, has a tensile strength of 2800 lbs; "D" Ring and slide buckle are tested to 1500 lbs; assembled with copper rivets, and stitched with hot waxed linen thread.

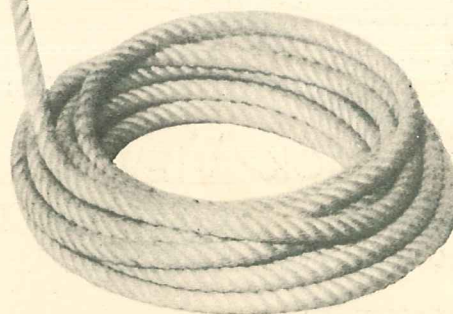
PRICES

**BELTS ARE FURNISHED
WITH OR WITHOUT THE ROPE**

LINEN BELT ONLY \$ _____
LINEN BELT WITH 25FT
OF ROPE SPliced ON \$ _____
AS SHOWN

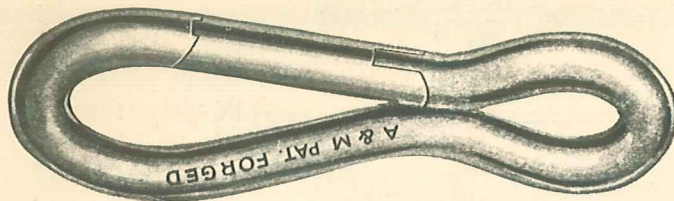
LEATHER BELT ONLY \$ _____
LEATHER BELT WITH
25FT. OF ROPE SPliced
ON AS SHOWN \$ _____

**FOR LONGER OR SHORTER
ROPE FIGURE _____ ¢ per. ft.
MORE OR LESS**



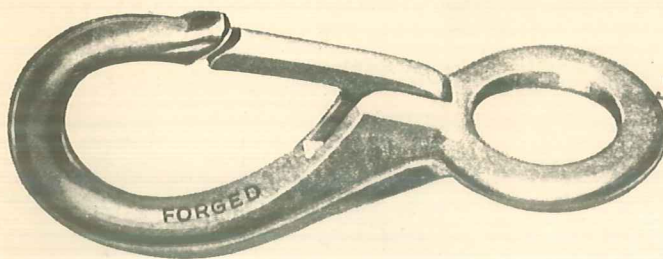
SAFETY · BELTS · FOR · ALL · PURPOSES

FORGED SNAP HOOKS



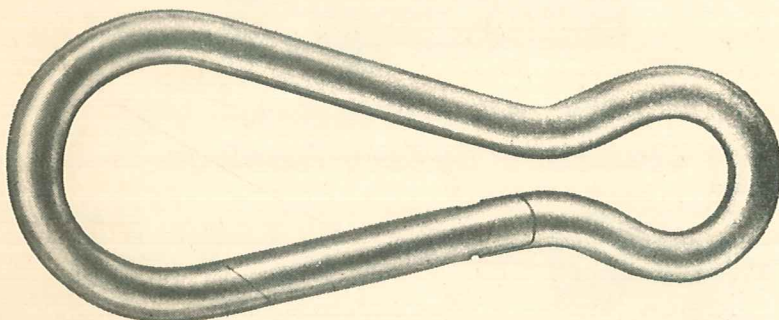
No. 40
FORMED
Forged Steel Snap Hooks

Made of bessemer steel, $\frac{13}{32}$ inch diameter.
Has opening of $\frac{3}{4}$ inch.

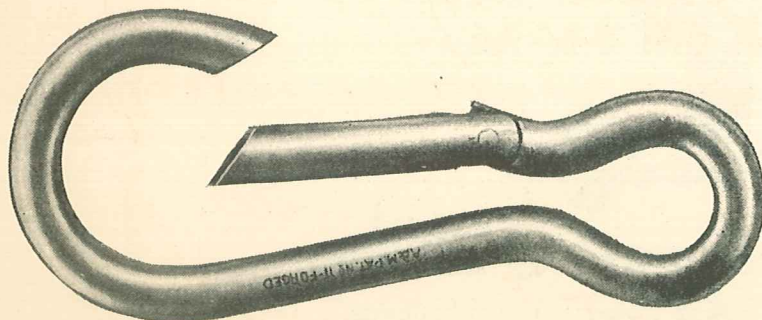


No. 41 - Forged Everdur *BRONZE AND* Steel Snap Hooks

Minimum diameter of body $\frac{7}{16}$ inch.
Has opening of $\frac{7}{8}$ inch. Is similar in design and shape to No. 5 ship snap hooks.



No. 42 Snap Hooks Used on Belts and Other Safety Appliances in Construction of Triboro Bridge, New York City.



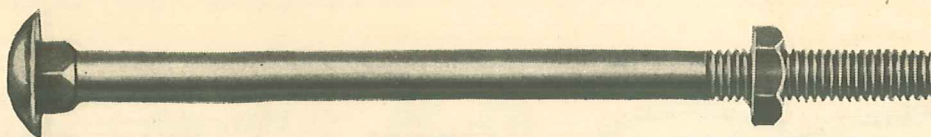
FORMED
No. 42 - Forged Steel Snap Hooks

Made of bessemer steel $\frac{7}{16}$ inch diameter.
Opening $\frac{7}{8}$ inch.

Malleable iron, cast brass or bronze snaps are not safe.

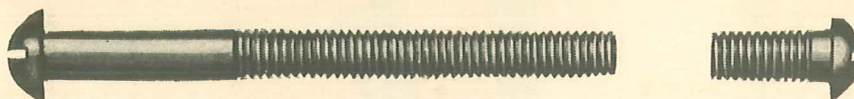
ARE SAFE . . . GIVE LONG SERVICE

SPECIAL SCREWS and BOLTS



#43 SPECIAL CARRIAGE BOLTS

3/8 inch diameter in lengths from 6 to 8-1/4 inches in steps of 1/4 inch. From 8-1/2 to 12-1/2 inches in steps of 1/2 inch.

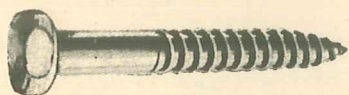


#44 SPECIAL SCREWS AND BOLTS

Made in SILICON BRONZE AND STAINLESS STEEL

5/16 and 3/8 inch diameters in lengths from 3/4 to 6 inches. Are not threaded all the way up, and have a radius fillet underneath head to give greater strength and security.

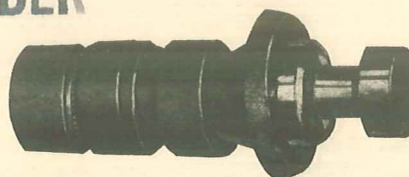
6 WEEKS TO GET ON ORDER



No. 45 - Window Cleaners' Safety Bolt for Wood Frames

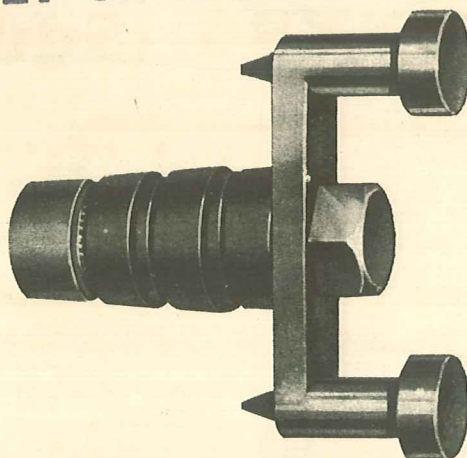
6 WEEKS TO GET ON ORDER

Made in bronze, 3/8" x 3" for double head or 4 bolt system, and 7/16" x 3" for 2 bolt system. These are not approved for use in New York, Pennsylvania, Wisconsin and some other states.



No. 46 - Window Cleaners' Safety Anchor

Expansion bolt type for installing in masonry on old buildings. Not approved in New York and some other states.

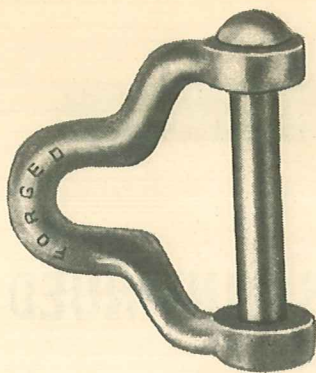


No. 47 - Window Cleaners' Safety Anchors

Double head expansion type for installing in masonry on old buildings. Not approved in New York and some other states.

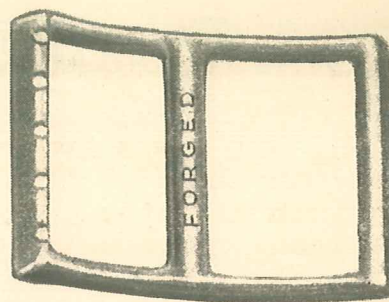
ANCHORS ARE OF FORGED BRONZE

SPECIAL HARDWARE



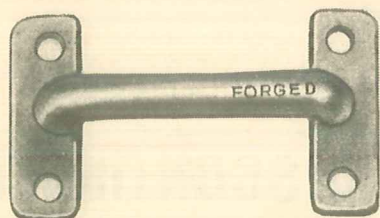
No. 48 - Forged Clevises

Made in bronze or steel, cadmium plated, for 1½ and 1¾ inch strap.



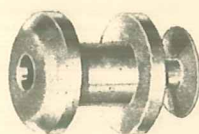
No. 49 - Forged Slide Buckle

Made in bronze or steel, cadmium plated. For 1¾ inch strap only.



No. 50 Forged Bridge

Made in bronze or steel, cadmium plated.



No. 51 Terminal Holder

Made in brass. Used for holding terminals of Window Cleaner's Safety Belts, but is adaptable for many other uses. Diameter of neck 3/8". Diameter of flanges 3/4"

DISCONTINUED



No. 52 Drawer Knobs

Made in brass. Diameter of head 1 1/8". One size only.

FLOOR CLEANERS (Squeegees)



No. 53 - Wood and Rubber Floor Squeegees

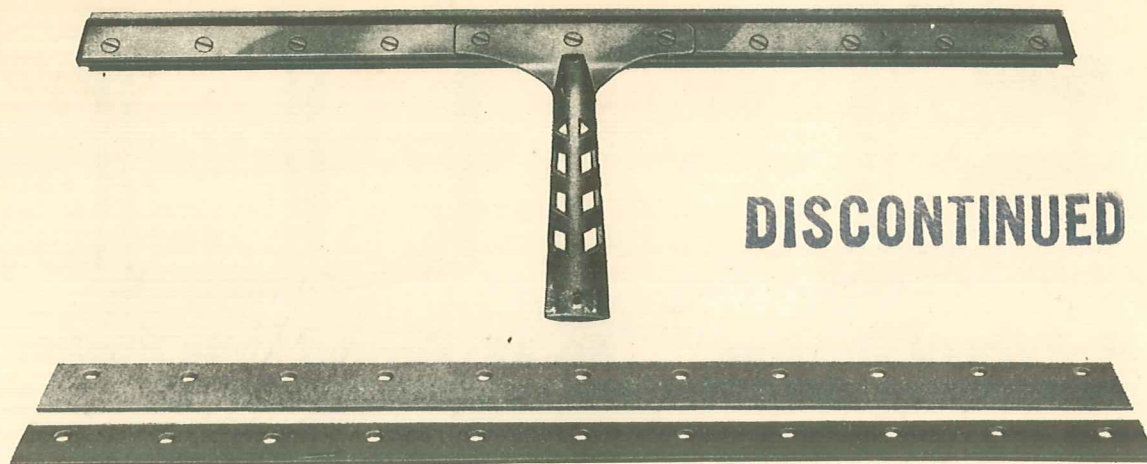
In 14, 16, 18 and 24 inch sizes. Rubbers and wood blocks are replaceable.



No. 54 - Metal and Rubber Floor Squeegees

Made in 18, 24 and 30 inch sizes. These are exceptionally strong; are used for cleaning cement, concrete and rough surface floors; especially adapted for garage floors. Can be used for leveling cement, concrete, etc.

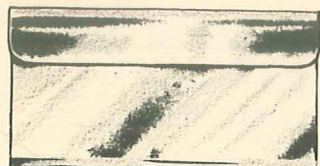
WINDOW CLEANERS SUPPLIES



DISCONTINUED

No. 55 - Brass Squeegee

Solid brass and rubber interchangeable window cleaner (squeegee). All parts are replaceable. In sizes of 18, 16, 14, 12, 10 and 8 inches. This squeegee is universally used by the professional window cleaning trade. Packed in Individual Boxes for the Jobbing Trade.



No. 56

For removing paint from Glass, Tile, etc.



No. 57

French Chamois

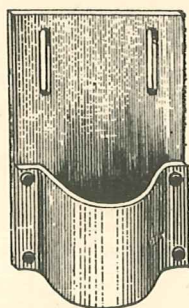
We import these direct from the best tanners. Furnished in 3 standard sizes; light, medium and heavy weight.



No. 58 - Glass Polishing Towels

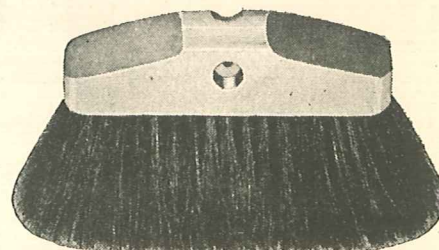
The best known material to remove streaks and leave a clean bright finish. Each towel is 28" x 36 inches.

DISCONTINUED



No. 59

This Squeegee Holder is attached to the pants belt and holds the Squeegee in a safe place.

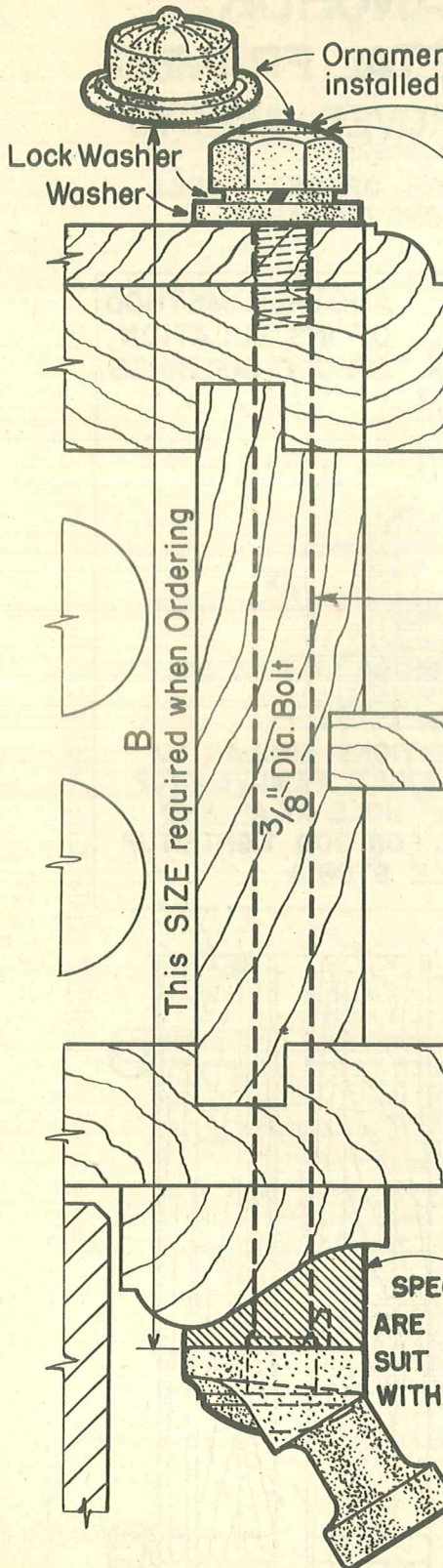


No. 60 Window Brush

Made of genuine mahogany blocks in 8, 10 and 12 inch sizes.

IT TAKES GOOD TOOLS TO DO GOOD WORK

ACKER & MAN No. 5 OFFSET DOUBLE HEAD FORGED Window Cleaners Safety Anchor for Wood or Kalamein Frames MADE IN BRONZE AND OTHER APPROVED ALLOYS.

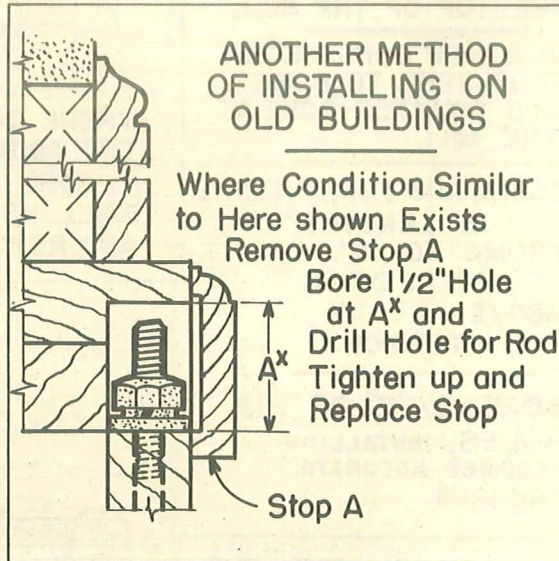


Ornamental Nut Covers are furnished (if desired) for Anchors installed in Old Buildings.

APPLICATION ON OLD BUILDINGS
End of bolt cut off and peened over nut
APPLICATION ON NEW FRAMES
(Counterbored)

APPROVED FOR MOST STATES
AND MUNICIPALITIES WHERE
THE DOUBLE HEAD TYPE IS
REQUIRED.
IF NOT SURE, CONTACT US

BORE 13/32" OR 7/16" HOLES
INSTALLATION REQUIRES ACCURATE DRILLING



ANOTHER METHOD
OF INSTALLING ON
OLD BUILDINGS

Where Condition Similar
to Here shown Exists
Remove Stop A
Bore 1 1/2" Hole
at A^x and
Drill Hole for Rod
Tighten up and
Replace Stop

Stop A

SPECIAL COLLARS
ARE FURNISHED TO
SUIT STAFF BEADS
WITH CONTOURS.

ACKER & MAN
120 WEST 18TH ST.,
NEW YORK 11, N.Y.
TEL. WA 9-7967

FOR THIS TYPE ORDER NO.5A

Install Anchor with ϕ at a Point 44" to 50" above top of sill.
For New Construction it is best to have
Frame bored and counterbored at Mill.

FOR THIS TYPE ORDER NO.5

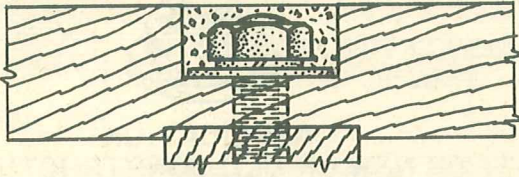
BOLTS are furnished in Lengths:
from 6" to 9" in steps of 1/4"
9" and over in steps of 1"

11/1/50 .AA
COLLAR .ZU

ACKER & MAN No. 22 WINDOW CLEANERS' SAFETY ANCHOR —FOR WOOD & KALAMEIN MULLIONS—

USE ONLY WHEN THEY CAN BE INSTALLED THROUGH CENTER FOR SINGLE-HEAD OR 2-BOLT SYSTEM, OR WHERE SINGLE-HEAD ANCHORS ARE INSTALLED IN JAMBS.

APPLICATION
ON NEW OR OLD CONSTRUCTION

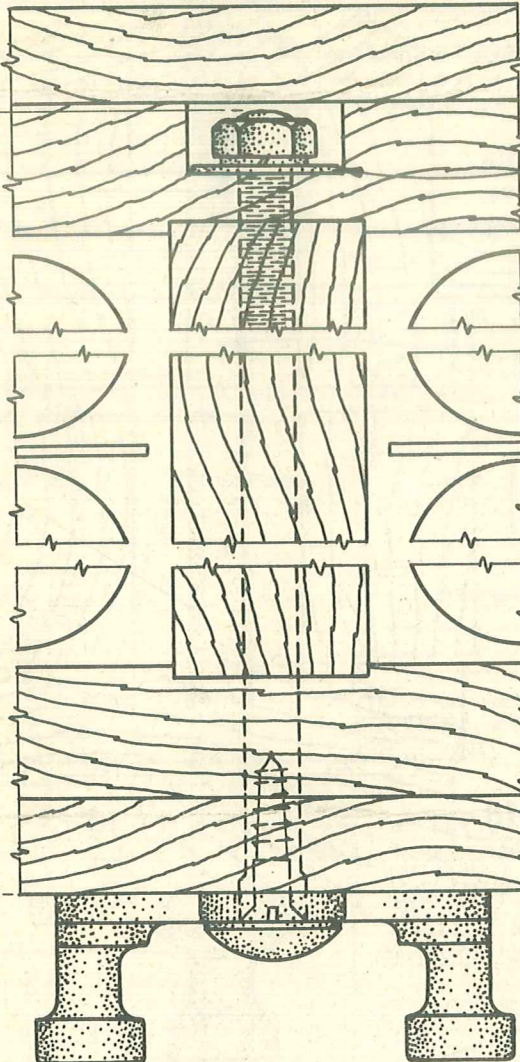


ORNAMENTAL NUT COVER
FURNISHED IF DESIRED.



APPLICATION
ON NEW OR OLD CONSTRUCTION

APPLICATION ON NEW CONSTRUCTION



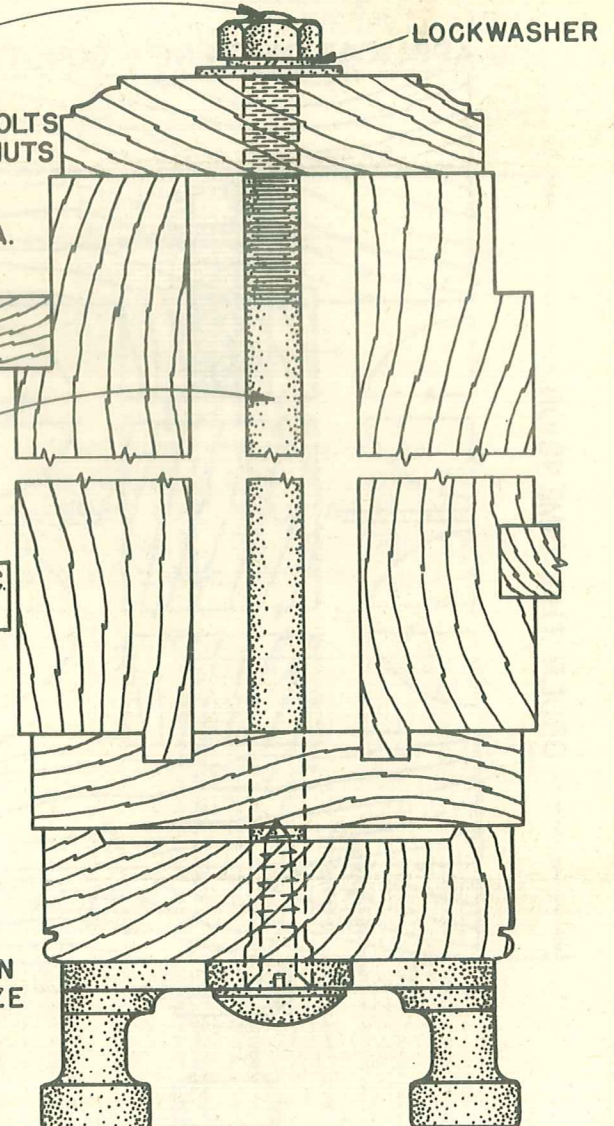
ENDS OF ALL BOLTS
PEENED OVER NUTS

WASHERS - 1" DIA.

3/8" DIA. BOLT

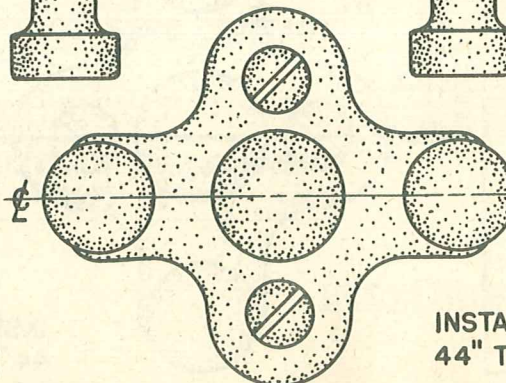
120 W. 18TH ST. N.Y.C.
TEL. WA 9-7967

ANCHOR SHOWN
3/4 ACTUAL SIZE



APPROVED FOR ALL STATES
EXCEPT MASS., MINN., PENN., WIS.,
WASH., ALSO PROVIDENCE, R.I.,
CINCINNATI, O., CHICAGO, ILL., &
DISTRICT OF COLUMBIA.
FOR THESE USE NO. 33 ANCHOR

N.Y. STATE DEPT. OF LABOR
B.S.A. APPROVAL NO. 2828



BOLTS FURNISHED IN
LENGTHS FROM
6" TO 9" IN STEPS OF 1/4"
ABOVE 9" IN STEPS OF 1"

INSTALL ANCHOR WITH ϕ AT A POINT
44" TO 50" ABOVE TOP OF SILL.

